THE BOEING COMPANY
AIRPLANE DIVISION - WICHITA BRANCH

CODE IDENT. NO. 81205

DOCUMENT NUMBER D3-6961-1 DATE 29 December 1965

TITLE WATER DROPLET IMPINGEMENT PREDICTION FOR ENGINE INLETS BY TRAJECTORY ANALYSIS IN A POTENTIAL FLOW FIELD, SAMPLE PROBLEM - FINAL REPORT

CONTRACT NO. NOw 65-0273-f MODEL R & D

DISTRIBUTION LIMITATIONS - DDC AVAILABILITY NOTICE

- [X] ~~Qualified requesters may obtain copies of this report from DDC.~~
- [ ] Foreign announcement and dissemination of this report by DDC are not authorized.
- [ ] U. S. government agencies may obtain copies of this report directly from DDC. Other qualified DDC users shall request through The Boeing Company.
- [ ] U. S. military agencies may obtain copies of this report directly from DDC. Other qualified users shall request through The Boeing Company.
- [ ] All distribution of this report is controlled. Qualified DDC users shall request through The Boeing Company.

PREPARED BY William F Schmidt 12-29-65
William F. Schmidt

SUPERVISED BY P. A. Chadick 12-29-65
P. A. Chadick

APPROVED BY R L Williams 12/29
R. L. Williams

APPROVED BY R L Williams 12/29
J. L. Burgess

APPROVED BY for _____

REV LTR: _____

ISSUE NO.	ISSUED TO

E-3035

TABLE OF CONTENTS

1.0 OBJECTIVE

This report is written to provide a sample problem to be used to guide the user of the water droplet impingement prediction computer program. This report is intended to illustrate the preparation of input data and the interpretation of results.

2.0 METHOD

The supersonic engine inlet described in NACA TN 4268 was selected for the sample problem. This inlet was assumed to be on an airplane taking off at sea level on a standard day.

2.1 Potential Flow Computer Program Input Analysis

For this sample problem, the airplane is assumed to be on the runway moving at 80 knots with its engines at take-off power. Engine airflow for this condition is assumed to be 195.9 lb/sec. From this data the remote stream tube radius is determined as follows.

Airflow Weight = (Flow Area)(Flow Velocity)(Air Density)

or $W = AV\rho$

V_∞ = 80 knots = 135.1 ft/sec

ρ = .076475 lb/cu. ft. at sea level, standard day

$A_\infty = 195.9/(.076475 \times 135.1) = 18.956$ sq. ft.

$R_\infty^2 = (18.956 \times 144)/3.1416 = 868.878$ sq. in.

$R_\infty = 29.477$

The axially-symmetric potential flow field is determined by the method described in reference 1. The potential flow field is assumed to be contained in a cylinder of 100 inches radius and 180 inches long with the inlet oriented as shown in the following sketch. The boundary stream function values are determined from equations (10), (12) and (13) of reference 1 and by arbitrary assignment.

$$\psi_1 = y_1^2/R_\infty^2 \qquad (10)$$

$$\psi_1 = y^2/868.878 \qquad (10A)$$

$$\psi_{max} = (100)^2/868.878 = 11.5091$$

$$\psi_{ri} = (y_r^2 - y_{ocb}^2)/(y_{ic}^2 - y_{ocb}^2) \qquad (12)$$

$$\psi_{ri} = (y^2 - (10.8)^2)/((17)^2 - (10.8)^2)$$

$$\psi_{ri} = (y^2 - 116.64)/172.36 \qquad (12A)$$

$$\psi_{ro} = 1 + (y_r^2 - y_{oc}^2)\left(\frac{y_{max}^2}{R^2} - 1\right)/(y_{max}^2 - y_{oc}^2) \qquad (13)$$

$$\psi_{ro} = 1 + (y^2 - (19)^2)\ (10.5091)/(\ (100)^2 - (19)^2)$$

$$\psi_{ro} = 1 + (y^2 - 361)/917.205 \qquad (13A)$$

Stream function values of zero and one are assigned to the engine inlet surfaces as indicated on the sketch. Left and right boundary stream function values are determined from equations (10A), (12A) and (13A) at the selected ordinate values.

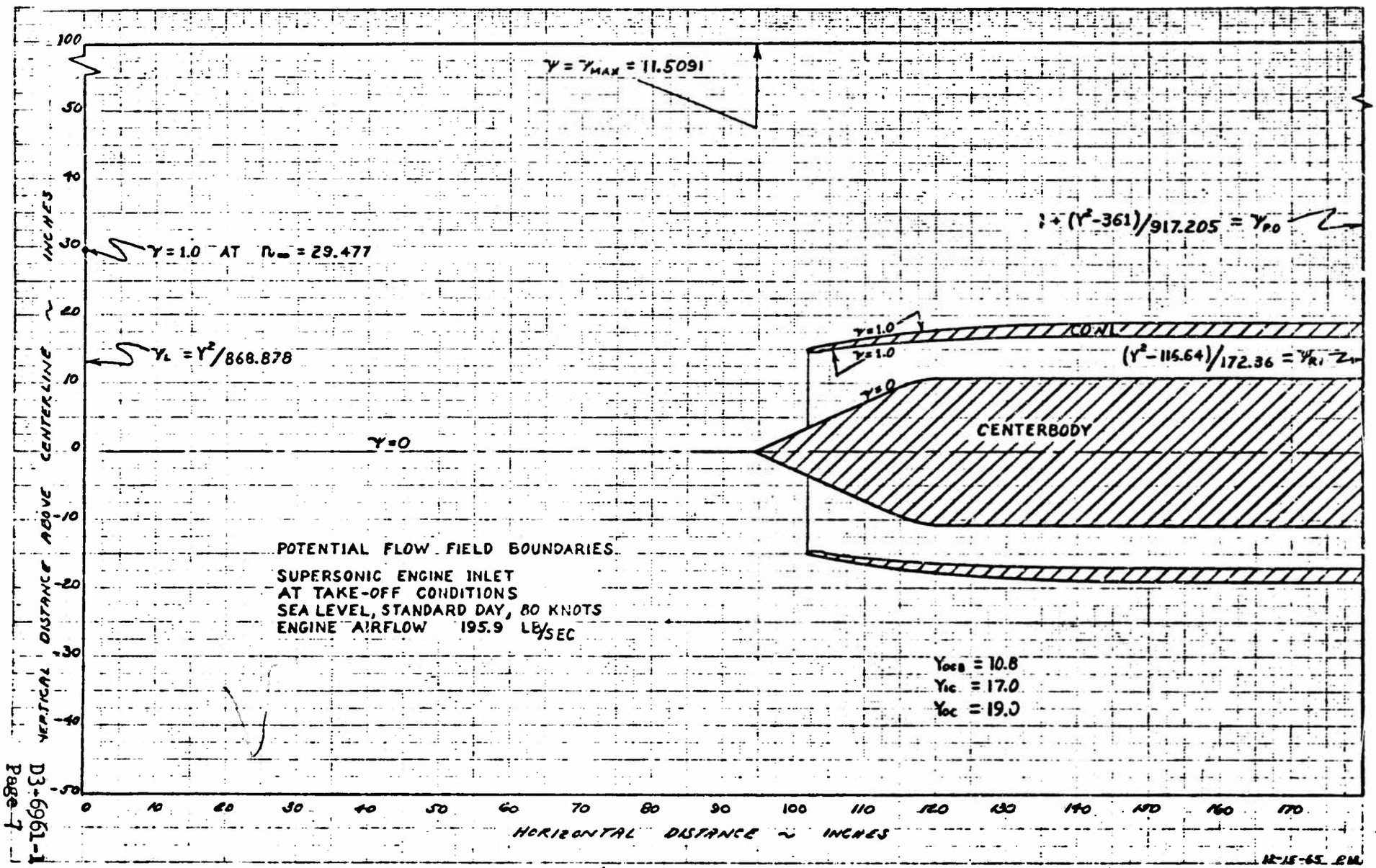
Abscissa (x) and ordinate (y) values are arbitrarily selected to give the desired solution within the program limits. Machine storage limits the number of coordinate values such that the product of the number of x's times the number of y's must be less than approximately 3600. This number varies inversely with the number of mesh points in the model area.

The remote potential flow free stream velocity is calculated as:

$$U'_\infty = \Delta\psi/y\Delta y$$

$$U'_\infty = 11.5091/50(100) = 0.00230182$$

The remaining input values are self explanatory.


$\psi = \psi_{MAX} = 11.5091$
$\psi = 1.0$ AT $r_m = 29.477$
$r_L = Y^2/868.878$
$Y = 0$
$1 + (Y^2 - 361)/917.205 = r_{FO}$
$(Y^2 - 115.64)/172.36 = r_{RI}$
CONE
CENTERBODY
$Y = 1.0$
$Y = 1.0$
$Y = 0$
POTENTIAL FLOW FIELD BOUNDARIES
SUPERSONIC ENGINE INLET
AT TAKE-OFF CONDITIONS
SEA LEVEL, STANDARD DAY, 80 KNOTS
ENGINE AIRFLOW 195.9 LB/SEC
$Y_{OCB} = 10.8$
$Y_{IC} = 17.0$
$Y_{OC} = 19.0$
VERTICAL DISTANCE ABOVE CENTERLINE ~ INCHES
HORIZONTAL DISTANCE ~ INCHES
100
50
40
30
20
10
0
-10
-20
-30
-40
-50
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170

M-15-65 RM

2.1.1 Potential Flow Program Input

The potential flow program input is shown on the following pages for the sample problem.

FLOATING DECIMAL DATA FOR 7094

Programmer ___ AHLSTEDT

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
SUPERSONIC		INLET -	CAPTURE AREA			RATIO =	4.14					
WFS		12/10/65										
1.0		1.0	-07	4000.		1.0						
0		0		0								
0.25		0.25		0		180.		0		100.		
0.25		0.25		80.		120.		0		40.		
0		4.0		0		0		94.5		0		
0.25		4.0		0		7.19313	-05	95.03612		0		
0.5		4.0		0		2.87728	-04	95.57225		0		
1.0		4.0		0		1.15091	-03	96.6445		0		
1.5		4.0		0		2.58955	-03	97.71675		0		
2.0		4.0		0		4.60364	-03	98.789		0		
3.0		4.0		0		1.03582	-02	100.934		0		
4.0		4.0		0		1.84146	-02	103.078		0		
6.0		4.0		0		4.14328	-02	107.367		0		
8.0		4.0		0		7.36582	-02	111.656		0		
9.0		4.0		0		9.32237	-02	113.815		0		

Comments:

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
9.5		4.0		0		1.0387	-01	114.96		0		
10.0		4.0		0		1.15091	-01	116.225		0		
10.5		4.0		0		1.26888	-01	117.85		0		
10.8		8.0		0		1.34242	-01	120.0		0		
120.0		0		180.0		0						
11.0		4.0		0		1.3926	-01	180.0		2.52958	-02	
13.0		4.0		0		1.94504	-01	180.0		3.037827	-01	
14.0		4.0		0		2.25578	-01	180.0		4.604316	-06	
14.25		4.0		0		2.33707	-01	180.0		5.01407	-01	
14.50		4.0		0		2.41979	-01	180.0		5.43107	-01	
14.6		8.0		0		2.45328	-01	102.5991		1.0		
102.6002		1.0		180.0		5.59991	-01					
14.7		8.0		0		2.4870	-01	102.076		1.0		
103.582		1.0		180.0		5.7699	-01					
14.8		8.0		0		2.52095	-01	101.951		1.0		
104.104		1.0		180.0		5.94105	-01					
14.899		8.0		0		2.55102	-01	101.9		1.0		

Comments:

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
104.52		1.0		180.0		6.09263	-01					
15.0		8.0		0		2.58955	-01	101.976		1.0		
105.0		1.0		180.0		6.28694	-01					
15.2		8.0		0		2.65906	-01	102.547		1.0		
106.08		1.0		180.0		6.63727	-01					
15.4		8.0		0		2.7295	-01	103.4		1.0		
107.354		1.0		180.0		6.99234	-01					
15.6		8.0		0		2.80085	-01	104.296		1.0		
108.85		1.0		180.0		7.35205	-01					
15.8		8.0		0		2.87313	-01	105.24		1.0		
110.5		1.0		180.0		7.71641	-01					
16.0		8.0		0		2.94633	-01	106.234		1.0		
112.7		1.0		180.0		8.0854	-01					
16.25		8.0		0		3.03912	-01	107.57		1.0		
116.15		1.0		180.0		8.55317	-01					
16.5		8.0		0		3.13335	-01	109.016		1.0		
120.9		1.0		180.0		9.0282	-01					

Comments:

A-3522

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		ID
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	
16.75		8.0		0		3.22902	-01	110.7		1.0		
130.6		1.0		180.0		9.51047	-01					
17.0		8.0		0		3.32613	-01	112.55		1.0		
140.0		1.0		180.0		1.0						
17.25		4.0		0		3.42468	-01	114.85		1.0		
17.50		4.0		0		3.52466	-01	117.5		1.0		
17.75		4.0		0		3.62609	-01	120.15		1.0		
18.0		4.0		0		3.72895	-01	123.6		1.0		
18.5		4.0		0		3.93899	-01	131.55		1.0		
19.0		4.0		0		4.15475	-01	144.0		1.0		
144.0		1.0		180.0		1.0						
19.5		4.0		0		4.3763	-01	180.0		1.02099		
20.0		4.0		0		4.60364	-01	180.0		1.04252		
21.0		4.0		0		5.07551	-01	180.0		1.08722		
23.0		4.0		0		6.08826	-01	180.0		1.18317		
25.0		4.0		0		7.19313	-01	180.0		1.28783		
30.0		4.0		0		1.035819		180.0		1.58765		

Comments:

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		ID
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	
40.0		4.0		0		1.841456		180.0		7.35084		
60.0		4.0		0		4.14324		180.0		4.53138		
80.0		4.0		0		7.365824		180.0		7.58413		
100.0		4.0		0		11.5091		180.0		11.5091		
One		Blank Card										
0		4.0		0		0		100.0		11.5091		
5.0		4.0		0		0		100.0		11.5091		
10.0		4.0		0		0		100.0		11.5091		
15.0		4.0		0		0		100.0		11.5091		
20.0		4.0		0		0		100.0		11.5091		
25.0		4.0		0		0		100.0		11.5091		
30.0		4.0		0		0		100.0		11.5091		
35.0		4.0		0		0		100.0		11.5091		
40.0		4.0		0		0		100.0		11.5091		
45.0		4.0		0		0		100.0		11.5091		
50.0		4.0		0		0		100.0		11.5091		
55.0		4.0		0		0		100.0		11.5091		

Comments:

A-5328

A-3328

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
60.0		4.0		0		0		100.0		11.5091		
65.0		4.0		0		0		100.0		11.5091		
70.0		4.0		0		0		100.0		11.5091		
75.0		4.0		0		0		100.0		11.5091		
80.0		4.0		0		0		100.0		11.5091		
82.5		4.0		0		0		100.0		11.5091		
85.0		4.0		0		0		100.0		11.5091		
87.5		4.0		0		0		100.0		11.5091		
90.0		4.0		0		0		100.0		11.5091		
92.5		4.0		0		0		100.0		11.5091		
93.5		4.0		0		0		100.0		11.5091		
94.0		4.0		0		0		100.0		11.5091		
94.2		4.0		0		0		100.0		11.5091		
94.5		4.0		0		0		100.0		11.5091		
94.75		4.0		0.11658		0		100.0		11.5091		
95.0		4.0		0.23316		0		100.0		11.5091		
95.5		4.0		0.46631		0		100.0		11.5091		

Comments:

A-3328

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		ID
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	
96.0		4.0		0.69947		0		100.0		11.5091		
97.0		4.0		1.16580		0		100.0		11.5091		
98.0		4.0		1.63212		0		100.0		11.5091		
99.0		4.0		2.09844		0		100.0		11.5091		
99.5		4.0		2.33160		0		100.0		11.5091		
100.0		4.0		2.56476		0		100.0		11.5091		
100.5		4.0		2.79790		0		100.0		11.5091		
101.0		4.0		3.03102		0		100.0		11.5091		
101.5		4.0		3.26417		0		100.0		11.5091		
101.7		4.0		3.35743		0		100.0		11.5091		
101.8		4.0		3.40406		0		100.0		11.5091		
101.9		8.0		3.45069		0		14.888		1.0		
14.888		1.0		100.0		11.5091						
102.0		8.0		3.49733		0		14.75		1.0		
15.016		1.0		100.0		11.5091						
102.1		8.0		3.54396		0		14.686		1.0		
15.068		1.0		100.0		11.5091						

Comments:

A-3322

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
102.2		8.0		3.59059		0		14.646		1.0		
15.106		1.0		100.0		11.5091						
102.4		8.0		3.68385		0		14.611		1.0		
15.161		1.0		100.0		11.5091						
102.6		8.0		3.77711		0		14.6001		1.0		
15.212		1.0		100.0		11.5091						
102.8		8.0		3.87037		0		14.61	-	1.0		
15.264		1.0		100.0		11.5091						
103.0		8.0		3.96364		0		14.625		1.0		
15.312		1.0		100.0		11.5091						
103.5		8.0		4.19679		0		14.686		1.0		
15.422		1.0		100.0		11.5091						
104.0		8.0		4.42995		0		14.776		1.0		
15.532		1.0		100.0		11.5091						
105.0		8.0		4.89626		0		15.0		1.0		
15.752		1.0		100.0		11.5091						
106.0		8.0		5.36257		0		15.188		1.0		

Comments:

A-5222

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		ID
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	
15.954		1.0		100.0		11.5091						
108.0		8.0		6.29519		0		15.5		1.0		
16.325		1.0		100.0		11.5091						
110.0		8.0		7.22781		0		15.74		1.0		
16.66		1.0		100.0		11.5091						
116.0		8.0		9.915		0		16.235		1.0		
17.36		1.0		100.0		11.5091						
120.0		8.0		10.8		0		16.465		1.0		
17.72		1.0		100.0		11.5091						
124.0		8.0		10.8		0		16.61		1.0		
18.03		1.0		100.0		11.5091						
132.0		8.0		10.8		0		16.86		1.0		
18.53		1.0		100.0		11.5091						
140.0		8.0		10.8		0		17.0		1.0		
18.89		1.0		100.0		11.5091						
150.0		8.0		10.8		0		17.0		1.0		
19.0		1.0		100.0		11.5091						

Comments:

A-3322

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
160.0		8.0		10.8		0		17.0		1.0		
19.0		1.0		100.0		11.5091						
180.0		8.0		10.8		0		17.0		1.0		
19.0		1.0		100.0		11.5091						
11.0		2.0		1.0		180.0		2.30182	-03			
0		.0.2		0.4		0.6		0.8		1.0		
1.2		1.4		1.6		1.8		2.0				

Comments:

2.1.2 Potential Flow Program Input - Card Listing

The listing of the potential flow program input from tabular data cards is presented to illustrate the data input format.

SUPERSONIC INLET-CAPTURE AREA RATIO= 4.14
WFS 11/20/65

1.0	1.0	-074000.0	1.0		
.25	.25		180.0		100.0
.25	.25	80.0	120.0		40.0
	4.0			94.5	
.25	4.0		7.19313	-0595.03612	
.5	4.0		2.87728	-0495.57225	
1.0	4.0		1.15091	-0396.6445	
1.5	4.0		2.58955	-0397.71675	
2.0	4.0		4.60364	-0398.789	
3.0	4.0		1.03582	-02100.934	
4.0	4.0		1.84146	-02103.078	
6.0	4.0		4.14328	-02107.367	
8.0	4.0		7.36582	-02111.656	
9.0	4.0		9.32237	-02113.815	
9.5	4.0		1.0387	-01114.96	
10.0	4.0		1.15091	-01116.225	
10.5	4.0		1.26888	-01117.85	
10.8	8.0		1.34242	-01120.0	
120.0		180.0			
11.0	4.0		1.3926	-01180.0	2.52958 -02
13.0	4.0		1.94504	-01180.0	3.037827 -01
14.0	4.0		2.25578	-01180.0	4.604316 -01
14.25	4.0		2.33707	-01180.0	5.01407 -01
14.5	4.0		2.41979	-01180.0	5.43107 -01
14.6	8.0		2.45328	-01102.5999	1.0
102.6002	1.0	180.0	5.59991	-01	
14.7	8.0		2.487	-01102.076	1.0
103.582	1.0	180.0	5.7699	-01	
14.8	8.0		2.52095	-01101.951	1.0
104.104	1.0	180.0	5.94105	-01	
14.888	8.0		2.55102	-01101.9	1.0
104.52	1.0	180.0	6.09263	-01	
15.0	8.0		2.58955	-01101.976	1.0
105.0	1.0	180.0	6.28694	-01	
15.2	8.0		2.65906	-01102.547	1.0
106.08	1.0	180.0	6.63727	-01	
15.4	8.0		2.7295	-01103.4	1.0
107.354	1.0	180.0	6.99234	-01	
15.6	8.0		2.80085	-01104.295	1.0
108.85	1.0	180.0	7.35205	-01	
15.8	8.0		2.87313	-01105.24	1.0
110.5	1.0	180.0	7.71641	-01	
16.0	8.0		2.94633	-01106.234	1.0
112.7	1.0	180.0	8.0854	-01	
16.25	8.0		3.03912	-01107.57	1.0
116.15	1.0	180.0	8.55317	-01	
16.5	8.0		3.13335	-01109.016	1.0
120.9	1.0	180.0	9.0282	-01	
16.75	8.0		3.22902	-01110.7	1.0

130.6	1.0	180.0	9.51047	-01	
17.0	8.0		3.32613	-01112.55	1.0
140.0	1.0	180.0	1.0		
17.25	4.0		3.42468	-01114.85	1.0
17.5	4.0		3.52466	-01117.5	1.0
17.75	4.0		3.62609	-01120.15	1.0
18.0	4.0		3.72895	-01123.6	1.0
18.5	4.0		3.93899	-01131.55	1.0
19.0	8.0		4.15475	-01144.0	1.0
144.0	1.0	180.0	1.0		
19.5	4.0		4.3763	-01180.0	1.02099
20.0	4.0		4.60364	-01180.0	1.04252
21.0	4.0		5.07551	-01180.0	1.08722
23.0	4.0		6.08826	-01180.0	1.18317
25.0	4.0		7.19313	-01180.0	1.28783
30.0	4.0		1.035819	180.0	1.58765
40.0	4.0		1.841456	180.0	2.35084
60.0	4.0		4.14324	180.0	4.53138
80.0	4.0		7.365824	180.0	7.58413
100.0	4.0		11.5091	180.0	11.5091
	4.0			100.0	11.5091
5.0	4.0			100.0	11.5091
10.0	4.0			100.0	11.5091
15.0	4.0			100.0	11.5091
20.0	4.0			100.0	11.5091
25.0	4.0			100.0	11.5091
30.0	4.0			100.0	11.5091
35.0	4.0			100.0	11.5091
40.0	4.0			100.0	11.5091
45.0	4.0			100.0	11.5091
50.0	4.0			100.0	11.5091
55.0	4.0			100.0	11.5091
60.0	4.0			100.0	11.5091
65.0	4.0			100.0	11.5091
70.0	4.0			100.0	11.5091
75.0	4.0			100.0	11.5091
80.0	4.0			100.0	11.5091
82.5	4.0			100.0	11.5091
85.0	4.0			100.0	11.5091
87.5	4.0			100.0	11.5091
90.0	4.0			100.0	11.5091
92.5	4.0			100.0	11.5091
93.5	4.0			100.0	11.5091
94.0	4.0			100.0	11.5091
94.2	4.0			100.0	11.5091
94.5	4.0			100.0	11.5091
94.75	4.0	.11658		100.0	11.5091
95.0	4.0	.23316		100.0	11.5091
95.5	4.0	.46631		100.0	11.5091
96.0	4.0	.69947		100.0	11.5091
97.0	4.0	1.1658		100.0	11.5091

98.0	4.0	1.63212		100.0	11.5091
99.0	4.0	2.09844		100.0	11.5091
99.5	4.0	2.3316		100.0	11.5091
100.0	4.0	2.56476		100.0	11.5091
100.5	4.0	2.7979		100.0	11.5091
101.0	4.0	3.03102		100.0	11.5091
101.5	4.0	3.26417		100.0	11.5091
101.7	4.0	3.35743		100.0	11.5091
101.8	4.0	3.40406		100.0	11.5091
101.9	8.0	3.45069		14.888	1.0
14.888	1.0	100.0	11.5091		
102.0	8.0	3.49733		14.75	1.0
15.016	1.0	100.0	11.5091		
102.1	8.0	3.54396		14.686	1.0
15.068	1.0	100.0	11.5091		
102.2	8.0	3.59059		14.646	1.0
15.106	1.0	100.0	11.5091		
102.4	8.0	3.68385		14.611	1.0
15.161	1.0	100.0	11.5091		
102.5999	8.0	3.77711		14.6001	1.0
15.212	1.0	100.0	11.5091		
102.8	8.0	3.87037		14.61	1.0
15.264	1.0	100.0	11.5091		
103.0	8.0	3.96364		14.625	1.0
15.312	1.0	100.0	11.5091		
103.5	8.0	4.19679		14.686	1.0
15.422	1.0	100.0	11.5091		
104.0	8.0	4.42995		14.776	1.0
15.532	1.0	100.0	11.5091		
105.0	8.0	4.89626		15.0	1.0
15.752	1.0	100.0	11.5091		
106.0	8.0	5.36257		15.188	1.0
15.954	1.0	100.0	11.5091		
108.0	8.0	6.29519		15.5	1.0
16.325	1.0	100.0	11.5091		
110.0	8.0	7.22781		15.74	1.0
16.66	1.0	100.0	11.5091		
116.0	8.0	9.915		16.235	1.0
17.36	1.0	100.0	11.5091		
120.0	8.0	10.8		16.465	1.0
17.72	1.0	100.0	11.5091		
124.0	8.0	10.8		16.61	1.0
18.03	1.0	100.0	11.5091		
132.0	8.0	10.8		16.86	1.0
18.53	1.0	100.0	11.5091		
140.0	8.0	10.8		17.0	1.0
18.89	1.0	100.0	11.5091		
150.0	8.0	10.8		17.0	1.0
19.0	1.0	100.0	11.5091		
160.0	8.0	10.8		17.0	1.0
19.0	1.0	100.0	11.5091		
180.0	8.0	10.8		17.0	1.0

```
19.0        1.0         100.0       11.5091

11.0        2.0         1.0         180.0       2.30182   -033.92
            .2          .4          .6          .8          1.0
1.2         1.4         1.6         1.8         2.0
```

2.2 Water Droplet Trajectory Computer Program Input Analysis

The primary requirement for the program input is to set up the tables in the proper order and the input in the correct units. The sample problem table input is derived as follows.

Table 1 Set up a dummy table to maintain sequence.

Table 2 Same as Table 1.

Table 3 Use table punched by the potential flow program. Note: First card of table must contain whole numbers for the number of table elements. (If necessary, replace first card with new one rounding off the numbers.)

Table 4 Read at the first boundary x-value after the left hand boundary at selected y-values. This table indicates points on the centerbody, the right hand boundary and the top surface of the engine inlet cowl.

Table 5 Read at the second boundary x-value after the left hand boundary at selected y-values. This table contains points on the right hand boundary and the underside of the engine inlet cowl.

Table 6 Read at the first boundary y-value above the lower boundary at selected x-values. This table contains points at the upper boundary ahead of the cowl highlight and on the lower cowl surface aft of the cowl highlight.

Table 7 Read at the second boundary y-value above the lower boundary at selected x-values. This table contains points at the upper boundary ahead of the cowl highlight and on the upper cowl surface aft of the cowl highlight.

Table 8 Read at the lowest y-value at selected x-values. This table contains points on the extended engine centerline and on the inlet centerbody surface.

Table 9 Set up a dummy table to maintain sequence.

The sample problem input data is determined in the proper units for the sea level, standard day take-off conditions and coded directly on the input sheet. The selection of some of the parameters and their proper units is as follows.

ALWC (Liquid Water Content) 0.5 gm./cu. meter = 1.8064×10^{-8} lb./cu. in.

R (Droplet Radius) 20 microns diameter/2 = 3.2805×10^{-5} ft.

UINF (Free Stream Velocity) 80 knots = 135.1 ft/sec.

UPINF (Potential Flow Free Stream Velocity) from program 2.31082×10^{-3}

PA (Air Density) for Sea Level, Standard Day 7.6475×10^{-2} lb./cu. ft.

WA (Air Viscosity) for Sea Level, Standard Day 12.0×10^{-5} lb./ft. sec.

The remaining input parameters are selected at the discretion of the user.

2.2.1 Water Droplet Trajectory Program Input

The water droplet trajectory program tables and data are input as shown on the following pages.

FLOATING DECIMAL DATA FOR 7094

Programmer Allison

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		ID
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	
1.0		1.0		1.0		1.0						
0		0		0		0		0		0		
1.0		1.0		1.0		2.0						
0		0		0		0		0		0		
INSERT TABLE 3 CARDS FROM POTENTIAL FLOW PROGRAM OUTPUT												
1.0		2.0		70.0		4.0						4.01
0		0		0		94.5		8.0		111.656		4.02
8.16043		112.0		9.0		113.815		9.082		114.0		4.03
9.50		114.96		9.75		115.575		9.915		116.0		4.04
10.0		116.225		10.25		116.925		10.272		117.0		4.05
10.5		117.85		10.544		118.0		10.716		119.0		4.06
10.8		120.0		10.8001		180.0		14.5999		180.0		4.07
14.6		102.6		14.611		102.4		14.646		102.2		4.08
14.686		102.1		14.7		102.076		14.75		102.0		4.09
14.8		101.951		14.888		101.9		15.0		101.976		4.10
15.016		102.0		15.068		102.1		15.106		102.2		4.11
15.161		102.4		15.20		102.547		15.212		102.6		4.12

Comments:

A-3322

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
15.264		102.8		15.312		103.0		15.366		103.25		4.13
15.40		103.4		15.422		103.5		15.532		104.0		4.14
15.60		104.296		15.752		105.0		15.80		105.24		4.15
15.954		106.0		16.0		106.234		16.147		107.0		4.16
16.25		107.57		16.325		108.0		16.50		109.016		4.17
16.66		110.0		16.935		112.0		17.0		112.55		4.18
17.165		114.0		17.36		116.0		17.46		117.0		4.19
17.50		117.5		17.55		118.0		17.63		119.0		4.20
17.72		120.0		17.80		121.0		17.88		122.0		4.21
18.0		123.6		18.03		124.0		18.30		128.0		4.22
18.5		131.55		18.53		132.0		18.73		136.0		4.23
18.89		140.0		19.0		144.0		19.0001		180.0		4.24
100.0		180.0										4.25
1.0		2.0		40.0		5.0						5.01
0		0		0		180.0		14.5999		180.0		5.02
14.6		102.6		14.61		102.8		14.625		103.0		5.03
14.65		103.25		14.686		103.5		14.7		103.582		5.04

Comments:

A-5322

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
14.776		104.0		14.80		104.104		14.888		104.52		5.05
15.0		105.0		15.188		106.0		15.2		106.08		5.06
15.346		107.0		15.4		107.354		15.5		108.0		5.07
15.6		108.95		15.74		110.0		15.8		110.5		5.08
15.94		112.0		16.0		112.70		16.10		114.0		5.09
16.235		116.0		16.25		116.15		16.30		117.0		5.10
16.365		118.0		16.415		119.0		16.465		120.0		5.11
16.50		120.9		16.51		121.0		16.55		122.0		5.12
16.61		124.0		16.73		128.0		16.86		132.0		5.13
16.96		136.0		17.0		140.0		17.0001		180.0		5.14
100.0		180.0										5.15
1.0		2.0		46.0		6.0						6.01
0		0		0		100.0		101.8999		100.0		6.02
101.9		14.888		101.951		14.8		102.0		14.75		6.03
102.076		14.7		102.1		14.686		102.2		14.646		6.04
102.4		14.611		102.6		14.6		102.8		14.61		6.05
103.0		14.625		103.25		14.65		103.5		14.686		606

Comments:

A-3222

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
103.582		14.7		104.0		14.776		104.104		14.8		6.07
104.52		14.888		105.0		15.0		106.0		15.188		6.08
106.08		15.2		107.0		15.346		107.354		15.4		6.09
108.0		15.5		108.85		15.6		110.0		15.74		6.10
110.5		15.8		112.0		15.94		112.7		16.0		6.11
114.0		16.10		116.0		16.235		116.15		16.25		6.12
117.0		16.30		118.0		16.365		119.0		16.415		6.13
120.0		16.465		120.9		16.50		121.0		16.51		6.14
122.0		16.55		124.0		16.61		128.0		16.73		6.15
132.0		16.86		136.0		16.96		140.0		17.0		6.16
180.0		17.0										6.17
1.0		2.0		47.0		7.0						7.01
0		0		0		100.0		101.8999		100.0		7.02
101.9		14.998		101.976		15.0		102.0		15.016		7.03
102.1		15.068		102.2		15.106		102.4		15.161		7.04
102.547		15.2		102.6		15.212		102.8		15.264		7.05
103.0		15.312		103.25		15.366		103.4		15.4		7.06

Comments:

A-3322

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
103.5		15.422		104.0		15.532		104.296		15.6		7.07
105.0		15.752		105.24		15.8		106.0		15.954		7.08
106.234		16.0		107.0		16.147		107.57		16.25		7.09
108.0		16.325		109.016		16.5		110.0		16.66		7.10
112.0		16.935		112.55		17.0		114.0		17.165		7.11
116.0		17.36		117.0		17.46		117.5		17.5		7.12
118.0		17.55		119.0		17.63		120.0		17.72		7.13
121.0		17.8		122.0		17.88		123.6		18.0		7.14
124.0		18.03		128.0		18.30		131.55		18.5		7.15
132.0		18.53		136.0		18.73		140.0		18.89		7.16
144.0		19.0		180.0		19.0						7.17
1.0		2.0		19.0		8.0						8.01
0		0		0		0		94.5		0		8.02
110.0		7.22781		111.65597		8.0		112.0		8.16043		8.03
113.815		9.0		114.0		9.082		114.96		9.5		8.04
115.575		9.75		116.0		9.915		116.225		10.0		8.05
116.925		10.25		117.0		10.272		117.85		10.5		8.06

Comments:

A-3332

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
118.0		10.544		119.0		10.716		120.0		10.8		8.07
180.0		10.8										8.08
1.0		1.0		1.0		9.0						
0		0		0		0		0		0		
SUPERSONIC		INLET - WATER IMPINGEMENT AT TAKE-OFF								12/13/65		
6.0				0.25		0.25						
120.0		40.0		0.25		0.25		80.0				
1.8064	-08	3.2805	-05	135.1		2.31082	-03	7.6475	-02	1.2	-05	
140.0		99.999		0		1.0		0		94.5		
0		12.75		135.1		0		1.0		-1.0		
101.9		14.888		1.0		0		62.4		0		
1.0		100.0		20.0		90.0		110.				
0		0		0		0		1.0				
SUPERSONIC INLET - WATER IMPINGEMENT AT TAKE-OFF										12/13/65		
6.0				0.25		0.25						
120.0		40.0		0.25		0.25		80.0				
1.8064	-08	3.2805	-05	135.1		2.31082	-03	7.6475	-02	1.2	-05	

Comments:

A-3322

FLOATING DECIMAL DATA FOR 7094

Programmer _____

FIELD 1		FIELD 2		FIELD 3		FIELD 4		FIELD 5		FIELD 6		
Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	Co-efficient	Exp.	ID
140.0		99.799		27.5		0.5		0		94.5		
0		19.5		135.1		0		1.0		-1.0		
101.9		14.888		1.0		0		62.4		0		
1.0		100.0		20.0		90.0		110.0				
0		0		0		0		1.0				

Comments:

2.2.2 Water Droplet Trajectory Program Input - Card Listing

The listing of the water droplet trajectory computer program sample problem tables and input data are as follows.

```
1.0             2.0             26.0            1.0                                             1.0
                                                                .051            .10171          1.0
.10             .17171          .176            .26270          .20             .29056          1.0
.30             .39826          .50             .6013           .70             .8016           1.0
.90             1.00185         1.10            1.20241         1.35            1.45366         1.0
1.60            1.70624         1.682           1.7894          2.10            2.21425         1.0
2.204           2.321           2.62            2.74622         3.10            3.23912         1.0
4.10            4.25664         6.10            6.28084         10.10           10.30498        1.0
14.10           14.31584        18.10           18.32245        30.10           30.329          1.0
38.10           38.33026        78.10           78.33026                                        1.1
1.0             2.0             27.0            2.0                                             2.0
                                                                .076            .13535          2.0
.10             .16419          .20             .27690          .30             .38388          2.0
.50             .59131          .647            .74340          .70             .79774          2.0
.9              1.00439         1.10            1.21007         1.35            1.46584         2.0
1.50            1.61965         1.60            1.72204         2.10            2.234           2.0
2.396           2.53771         3.10            3.25793         3.34            3.50268         2.0
4.10            4.27813         6.10            6.31225         10.10           10.3585         2.0
14.10           14.38103        18.10           18.3972         22.10           22.40919        2.0
30.10           30.4248         42.10           42.43405        78.1            78.43405        2.1
1.0CCCCC00E-005.10000000E 016.3CCC0000E 01
0.              0.              2.50000000E-015.00000000E-011.00000000E-00
1.5CCCC000E 002.00000000E 003.000C0000E 004.00000000E 006.00000000E 00
8.CCCCCC00E 009.00CC0000E 009.500C0000E 000.99999999E 011.04999998E 01
1.07999998E 011.09999999E 011.29999998E 011.39999999E 011.42499998E 01
1.44999999E 011.45999998E 011.46999998E 011.47999999E 011.48879997E 01
1.49999999E 011.51999998E 011.53999999E 011.55999997E 011.57999998E 01
1.59999999E 011.62499999E 011.64999999E 011.67499998E 011.69999999E 01
1.72499998E 011.74999999E 011.77499999E 011.79999998E 011.84999998E 01
1.89999999E 011.94999999E 011.99999999E 012.09999996E 012.29999998E 01
2.49999997E 012.99999997E 013.99999997E 015.99999994E 017.99999994E 01
9.99999988E 010.              0.              7.19312990E-052.87727997E-04
1.15090998E-032.58954996E-034.60363990E-031.03581999E-021.84145997E-02
4.14327997E-027.36581999E-029.32236993E-021.03869998E-011.15090999E-01
1.26887999E-011.34241998E-011.39259999E-011.94503997E-012.25577998E-01
2.33706999E-012.41978997E-012.45327997E-012.48699996E-012.52094999E-01
2.55101997E-012.58954996E-012.65905997E-012.72949997E-012.80084997E-01
2.87312999E-012.94632995E-013.03911999E-013.13334996E-013.22901997E-01
3.32612997E-013.42467996E-013.52465996E-013.62608999E-013.72894996E-01
3.93858997E-014.15474999E-014.37629998E-014.60363996E-015.07550997E-01
6.08825994E-017.19312996E-011.03581899E 001.84145600E 004.14323997E 00
7.36582398E 001.15090999E 015.CCCCCCCCE 000.              7.20740831E-05
2.88256300E-041.15318488E-032.59466425E-034.61273211E-031.03786238E-02
1.84508199E-024.15139580E-027.38014966E-029.34041095E-021.04070084E-01
1.15312484E-011.27131300E-011.34499259E-011.39526518E-011.94871183E-01
2.26001212E-012.34143874E-012.42430601E-012.45785630E-012.49163720E-01
2.52564877E-012.55576974E-012.59436390E-012.66400123E-012.73456061E-01
2.80604202E-012.87844548E-012.95177102E-013.04472438E-013.13911816E-01
3.23495239E-013.33222696E-013.43094191E-013.53109711E-013.63269261E-01
3.73572832E-013.94612038E-014.16227267E-014.38418597E-014.61185926E-01
5.08448464E-016.09384304E-017.20533353E-011.03745586E 001.84391615E 00
4.14663082E 007.36829066E 001.15090999E 010.99999999E 010.
```

7.22240299E-052.88896051E-041.15559353E-032.60005936E-034.62231886E-0
1.04001690E-021.84890518E-024.15995961E-027.39526427E-029.35944867E-0
1.04281649E-011.15546274E-011.27388331E-011.34770718E-011.39807792E-0
1.95259239E-012.26448101E-012.34606010E-012.42908195E-012.46269464E-0
2.49653825E-012.53061286E-012.56079953E-012.59945500E-012.66922063E-0
2.73990965E-012.81152204E-012.98405776E-012.95751676E-013.05063868E-0
3.14520299E-013.24120954E-013.33865827E-013.43754920E-013.53788221E-0
3.63965726E-013.74287432E-013.95363420E-014.17016089E-014.39245391E-0
4.62051272E-015.09392577E-016.10991931E-017.21809512E-011.03916970E 0
1.84648265E 004.15013337E 007.37083C00E 001.15090999E 011.49999999E 0
0. 7.23397189E-052.89558759E-041.15823394E-032.60602069E-0
4.63291156E-031.04239742E-021.85312912E-024.16941875E-027.41195321E-0
9.38046479E-021.04515174E-011.15804297E-011.27671966E-011.35070243E-0
1.40118124E-011.95687057E-012.26940516E-012.35115156E-012.43434298E-0
2.468C2413E-012.50193661E-012.53608048E-012.56631842E-012.60506222E-0
2.67496887E-012.74580023E-012.81755629E-012.89023700E-012.96384236E-0
3.05714911E-013.15190023E-013.24809560E-013.34573513E-013.44481874E-0
3.54534626E-013.64731768E-013.75073284E-013.96189395E-014.17882860E-0
4.40153587E-014.63001496E-015.10428554E-016.12205398E-017.23206639E-0
1.04104008E 001.84926486E 004.15386593E 007.37351310E 001.15090999E 0
1.99999999E 010. 7.25802881E-052.90320978E-041.16128230E-0
2.61287689E-034.64509386E-031.04513492E-021.85798590E-024.18029135E-0
7.43112582E-029.40460002E-021.04783309E-011.16100501E-011.27997500E-0
1.35413970E-011.40474224E-011.96177560E-012.27504811E-012.35698542E-0
2.44C37032E-012.47412956E-012.50812054E-012.54234323E-012.57265091E-0
2.61148387E-012.68155104E-012.75254446E-012.82446408E-012.89730990E-0
2.97108176E-013.06459862E-013.15956205E-013.25597198E-013.35382795E-0
3.45313022E-013.55387846E-013.65607256E-013.75971243E-013.97132874E-0
4.18872571E-014.41190213E-014.64085674E-015.11609662E-016.13586670E-0
7.24793923E-011.04315676E 001.85238345E 004.15795243E 007.37641287E 0
1.15090999E 012.49999997E 010. 7.28069639E-052.91227612E-04
1.16490820E-032.62103182E-034.65958315E-031.04839052E-021.86376081E-0
4.19321388E-027.45389736E-029.43325305E-021.05101556E-011.16451976E-0
1.28383681E-011.35821667E-011.40896551E-011.96758607E-012.28172809E-0
2.36389017E-012.44750276E-012.48135338E-012.51543722E-012.54975277E-0
2.58014253E-012.61908045E-012.68933639E-012.76052034E-012.83263221E-0
2.90567195E-012.97963950E-013.07340324E-013.16861606E-013.26527774E-0
3.36338806E-013.46294686E-013.56395388E-013.66640899E-013.77031195E-0
3.98246071E-014.20039809E-014.42412233E-014.65363175E-015.13000071E-0
6.15209562E-017.26655084E-011.04562534E 001.85597658E 004.16252536E 0
7.37960452E 001.15090999E 012.99999997E 010. 7.30842626E-0
2.92336708E-041.16934371E-032.63100716E-034.67730594E-031.05237211E-0
1.87082210E-024.20900685E-027.48170471E-029.46822369E-021.05489857E-0
1.16890688E-011.26854580E-011.36318710E-011.41411367E-011.97466031E-0
2.28985527E-012.37228936E-012.45617735E-012.49013960E-012.52433455E-0
2.55876223E-012.59325113E-012.62831575E-012.69879955E-012.77021340E-0
2.84255713E-012.91583067E-012.99003384E-013.08409476E-013.17960763E-0
3.27657214E-013.37498799E-013.47485492E-013.57617268E-013.67894101E-0
3.78315959E-013.99594665E-014.21453118E-014.43891078E-014.66908324E-0
5.14679927E-016.17165816E-017.28893143E-011.04857466E 001.86020710E 0
4.16772819E 007.38316530E 001.15090999E 013.49999997E 010.
7.34315753E-052.93725824E-041.17489897E-032.64350039E-034.69950080E-0

886E-03 1.05735759E-021.87966159E-024.22876459E-027.51645815E-029.51190138E-02
867E-02 1.05974671E-011.17415762E-011.29442081E-011.36938681E-011.42053398E-01
792E-01 1.98346697E-012.29996234E-012.38273177E-012.46695915E-012.50105831E-01
464E-01 2.53539088E-012.56995578E-012.60056773E-012.63978857E-012.71055311E-01
063E-01 2.78225008E-012.85487923E-012.92844048E-013.00293362E-013.09736007E-01
868E-01 3.19324175E-013.29057828E-013.38936928E-013.48961443E-013.59131324E-01
221E-01 3.69446549E-013.79907072E-014.01263993E-014.23201442E-014.45719391E-01
391E-01 4.68817431E-015.16752869E-016.19573402E-017.31639713E-011.05216645E 00
970E 00 1.86527099E 004.17371720E 007.38717461E 001.15090999E 013.99999997E 01
999E 01 0. 7.38757271E-052.95502245E-041.18200295E-032.65947545E-03
069E-03 4.72787893E-031.06373084E-021.89095831E-024.25399643E-027.56078947E-02
321E-02 9.56757450E-021.06592382E-011.18097225E-011.30189990E-011.37727712E-01
243E-01 1.42870359E-011.99465196E-012.31278533E-012.39597669E-012.48063084E-01
298E-01 2.51490197E-012.54940718E-012.58414644E-012.61491060E-012.65432715E-01
222E-01 2.72544345E-012.79749498E-012.87048140E-012.94440264E-013.01925841E-01
236E-01 3.11414167E-013.21048400E-013.30828488E-013.40754378E-013.50826025E-01
374E-01 3.61043370E-013.71406376E-013.81914988E-014.03368860E-014.25404513E-01
360E-01 4.48021531E-014.71219498E-015.19357026E-016.22588229E-017.35067350E-01
539E-01 1.05660827E 001.87140754E 004.18066305E 007.39171243E 001.15090999E 01
999E 01 4.49999994E 010. 7.44547695E-052.97818130E-041.19126400E-03
230E-03 2.68029997E-034.76486832E-031.07203615E-021.90567434E-024.28683627E-02
135E-02 7.61840528E-029.63986349E-021.07394046E-011.18981159E-011.31159578E-01
500E-01 1.38750264E-011.43928857E-012.00910893E-012.32933655E-012.41306627E-01
542E-01 2.49826449E-012.53275487E-012.56748027E-012.60244063E-012.63340002E-01
091E-01 2.67306602E-012.74463043E-012.81713328E-012.89057422E-012.96495298E-01
990E-01 3.04026923E-013.13573220E-013.23265857E-013.33104765E-013.43089879E-01
795E-01 3.53221127E-013.63498449E-013.73921773E-013.84491029E-014.06067127E-01
374E-01 4.28226107E-014.50967407E-014.74290478E-015.22680241E-016.26420724E-01
570E-01 7.39406955E-011.06217113E 001.87891078E 004.18875003E 007.39685756E 00
187E 00 1.15090999E 014.99999994E 010. 7.52243674E-053.00896108E-04
312E-04 1.20357215E-032.70797384E-034.81401819E-031.08306882E-021.92521447E-02
081E-02 4.33039409E-027.69469374E-029.73547269E-021.08453681E-011.20148805E-01
176E-01 1.32439540E-011.40099500E-011.45325246E-012.02812660E-012.35107407E-01
109E-01 2.43550143E-012.52140412E-012.55617812E-012.59118813E-012.62643406E-01
177E-01 2.65764567E-012.69763371E-012.76977620E-012.84286091E-012.91688740E-01
121E-01 2.99185520E-013.06776384E-013.16397190E-013.26164818E-013.36079171E-01
174E-01 3.46140167E-013.56347710E-013.66701701E-013.77202055E-013.87848678E-01
195E-01 4.09580439E-014.31896114E-014.54794955E-014.78276217E-015.26983714E-01
071E-01 6.31360596E-017.44973105E-011.06921358E 001.88814239E 004.19817412E 00
136E 00 7.40268469E C01.15090999E C15.49999994E 010. 7.62682408E-05
226E-05 3.05070955E-041.22026570E-032.74550426E-034.88066429E-031.09802388E-02
111E-02 1.95168738E-024.38932824E-027.79769439E-029.86438131E-021.09881309E-01
157E-01 1.21720733E-011.34161279E-011.41913745E-011.47202018E-012.05359602E-01
131E-01 2.36012710E-012.46547103E-012.55229822E-012.58744413E-012.62282729E-01
155E-01 2.65844762E-012.68998954E-012.73039925E-012.80329815E-012.87714347E-01
140E-01 2.95193452E-013.02757074E-013.10435146E-013.20152941E-013.30018061E-01
163E-01 3.40030378E-013.50189763E-013.60496092E-013.70949230E-013.81549054E-01
101E-01 3.92295441E-014.14227486E-014.36744171E-014.59844488E-014.83527416E-01
124E-01 5.32638031E-016.37814194E-017.52201599E-011.07821491E 001.89954439E 00
110E 00 4.20913655E 007.40925962E C01.15090999E 015.99999994E 010.
7.77160591E-053.10861188E-041.24341734E-032.79754752E-034.97306675E-03
180E-03 1.11875018E-021.98835276E-024.47082227E-027.93975830E-021.00418805E-01

1.11845279E-011.23881178E-C11.36525303E-011.44403134E-011.49776277E-01
2.06838016E-012.41970810E-012.50627458E-012.59433308E-012.62997389E-01
2.66585320E-012.70197082E-C12.73395145E-012.77492091E-012.84882286E-01
2.92367554E-012.99947801E-013.07622942E-013.15392876E-013.25238454E-01
3.35231811E-013.45372760E-013.55661127E-013.66096726E-013.76679382E-01
3.874C8915E-013.98285145E-014.20477152E-014.43253773E-014.66613615E-01
4.90555263E-015.40179861E-C16.46361727E-017.61705315E-011.08982049E 00
1.91364898E 004.22183383E 007.41663337E 001.15090999E 016.49999994E 01
0. 7.97746783E-053.19093969E-041.27633318E-032.87152949E-03
5.10439515E-031.14819364E-022.04039922E-024.58628285E-028.14041662E-02
1.02920827E-011.14610651E-011.26919714E-011.39846198E-011.47897553E-01
1.53388013E-012.13692540E-012.47478083E-012.56300348E-012.65272710E-01
2.689C3613E-012.725584S5E-012.76237330E-012.79494509E-012.83666810E-01
2.91191900E-012.98812428E-013.06528255E-013.14339256E-013.22245300E-01
3.32261294E-013.42425302E-C13.52737060E-013.63196316E-013.73802817E-01
3.8 556299E-013.95456514E-014.06503206E-014.29035258E-014.52150196E-01
4.7 846064E-015.00120938E-C15.50402051E-016.57845956E-017.74358082E-01
1.10490149E 001.93107943E 004.23644048E 007.42483479E 001.15090999E 01
6.99999994E 010. 8.27834880E-053.31126362E-041.32443717E-03
2.97963160E-035.29624963E-031.19118422E-022.11632833E-024.75436676E-02
8.4315C806E-021.06541976E-C11.18607925E-011.31305845E-011.44633186E-01
1.52930267E-011.58586586E-C12.20635757E-012.55326009E-012.64376476E-01
2.73577711E-012.77300319E-C12.81046981E-012.84817675E-012.88155741E-01
2.92431057E-013.00140235E-013.07944971E-013.15845066E-013.23840329E-01
3.31930557E-013.42176592E-013.52570304E-013.63111317E-013.73799250E-01
3.84633735E-013.956144C1E-C14.06740886E-014.18012840E-014.40992057E-01
4.64548862E-014.88680530E-C15.13384414E-015.64501113E-016.73511630E-01
7.91420501E-011.12462865E 001.95253107E 004.25308436E 007.43386215E 00
1.15C90999E 017.49999994E 010. 8.73112428E-053.49232617E-04
1.39681931E-033.14227021E-035.58483613E-031.25581950E-022.23039663E-02
5.00637114E-028.86640835E-021.11938745E-011.24556804E-011.3782417[illegible]-01
1.51736230E-011.60390641E-011.66287673E-012.30847004E-012.66817719E-01
2.76188689E-012.85710371E-C12.89561081E-012.93435785E-012.97334442E-01
3.00785044E-013.05203477E-013.13167876E-013.21227282E-013.29381382E-01
3.37629893E-013.45972511E-C13.56532684E-013.67238852E-013.78090447E-01
3.89086917E-014.00227714E-014.11512297E-014.22940147E-014.34510744E-01
4.58078641E-014.82211483E-015.06905484E-015.32157034E-015.84322351E-01
6.95225692E-018.14725280E-C11.15054759E 001.97871378E 004.27181154E 00
7.44367355E 001.15090999E C17.99999994E 010. 9.43113923E-05
3.77225718E-041.50872414E-033.39370769E-036.03096956E-031.35572952E-02
2.4C667537E-025.39549786E-029.53651261E-021.20238097E-011.33694682E-01
1.47823666E-011.62617181E-C11.71808408E-011.78066216E-012.46349376E-01
2.84179300E-012.94010788E-C13.03990889E-013.08024272E-013.12081236E-01
3.16161710E-013.19771922E-013.24392951E-013.32717529E-013.41134885E-01
3.49644542E-013.58246034E-013.66938898E-013.77932817E-013.89067903E-01
4.00343299E-014.11758173E-014.23311710E-014.35003120E-014.46831632E-01
4.5879648[illegible]E-014.83133090E-015.08006644E-015.33412009E-015.59344411E-01
6.12777162E-017.25922908E-018.46936548E-011.18461099E 002.01022613E 00
4.29254282E C07.45417863E C01.15090999E 018.24999988E 010.
9.93C10366E-053.97180256E-C41.58850592E-033.57302770E-036.34928602E-03
1.427C8960E-022.53276783E-025.67470390E-021.00186250E-011.26211569E-01
1.40271269E-011.55018632E-011.70442981E-011.80017297E-011.86532062E-01

```
-01        2.57443050E-012.96554133E-013.06699046E-013.16989514E-013.21146095E-01
-01        3.25325698E-013.29528230E-013.33245367E-013.38001791E-013.46566173E-01
-01        3.55220549E-013.63964602E-013.72797439E-013.81718555E-013.92993271E-01
-01        4.044C3907E-014.15949410E-C14.27628750E-014.39440912E-014.51384950E-01
-01        4.63459939E-014.75664979E-015.00462651E-015.25770736E-015.51583499E-01
-01        5.77895772E-016.32005125E-017.46073848E-018.67807436E-011.20552939E 00
 00        2.028C7644E 004.30356503E C07.45963728E 001.15090999E 018.49999988E 01
 01        0.             1.05485581E-C44.21916527E-041.68743357E-033.79552138E-03
-03        6.74458152E-031.51588330E-022.69011384E-026.02525109E-021.06277925E-01
-02        1.33777124E-011.48608343E-011.64146386E-011.80376470E-011.90439405E-01
-01        1.97281548E-C12.71522719E-C13.12228355E-013.22759485E-013.33430728E-01
-01        3.37737972E-013.42067271E-013.46418509E-013.50265661E-013.55186391E-01
-01        3.64C40825E-013.72980857E-013.82005683E-013.91114527E-014.00306612E-01
-01        4.11912727E-014.23646361E-014.35506183E-014.47490919E-014.59599352E-01
-01        4.71830338E-014.84182799E-C14.96655673E-015.21959811E-015.47734773E-01
-01        5.73974568E-016.00674111E-016.55439794E-017.70367712E-018.92447758E-01
-01        1.22928254E 002.04728755E 004.31497306E 007.46521020E 001.15090999E 01
 01        8.749999988E 010.              1.12960079E-044.51822215E-041.80712439E-03
-03        4.06516230E-037.22471666E-031.62428495E-022.88356733E-026.46258336E-02
-02        1.13991293E-011.43413946E-C11.59254715E-011.75828287E-011.93113548E-01
-01        2.03815815E-012.11085948E-012.99660221E-013.32393068E-013.43408546E-01
-01        3.54554451E-013.59048659E-013.63563213E-013.68097961E-013.72105125E-01
-01        3.77227473E-013.86436152E-013.95722723E-014.05086118E-014.14525318E-01
-01        4.24039322E-014.36035675E-014.48145670E-014.60367668E-014.72700137E-01
-01        4.85141623E-014.97690827E-015.10346544E-015.23107654E-015.48943013E-01
-01        5.75189084E-016.01840657E-016.28994007E-016.84198755E-017.99587554E-01
-01        9.215C1958E-011.25604492E 002.06776521E 004.32670057E 007.47087109E 00
 00        1.15090999E 018.999999988E C10.              1.21340063E-044.85388392E-04
-04        1.94179794E-034.37019986E-037.77168387E-031.74964689E-023.11153561E-02
-02        6.99636978E-021.23707138E-011.55704972E-011.72906326E-011.90879752E-01
-01        2.09593809E-012.21161902E-C12.29011425E-013.13433081E-013.58819330E-01
-01        3.70456582E-013.82206476E-013.86936995E-013.91684785E-013.96449634E-01
-01        4.00656646E-014.060297C7E-014.15675724E-014.25385952E-014.35158944E-01
-01        4.44933347E-014.54887867E-C14.67338860E-014.79879767E-014.92508650E-01
-01        5.05223781E-015.18023616E-015.30906826E-015.43872273E-015.56918997E-01
-01        5.83253986E-016.09906989E-016.36876571E-016.64163536E-017.19697779E-01
-01        8.34732389E-019.55593145E-011.28585099E 002.08934158E 004.33866704E 00
 00        7.47659063E 001.15090999E 019.24999988E 010.              1.28313471E-04
-05        5.13550359E-042.05673555E-C34.63938218E-038.27301347E-031.87282792E-02
-02        3.35094601E-027.61404204E-021.35727565E-011.71289566E-011.90397538E-01
-01        2.10345200E-012.31083530E-012.43880814E-012.52553374E-013.45286506E-01
-01        3.94295305E-014.06757593E-014.19298220E-014.24334919E-014.29382998E-01
-01        4.34442133E-014.38903064E-C14.44592363E-014.54783529E-014.65013206E-01
-01        4.75279409E-014.85580391E-C14.95914537E-015.08876872E-015.21866444E-01
-01        5.34941322E-015.48040015E-015.61181426E-015.74364841E-015.87589926E-01
-01        6.00856704E-016.27516305E-016.54350257E-016.81368810E-017.08585304E-01
-01        7.63658893E-018.76799476E-C19.95155632E-011.31849617E 002.11176324E 00
 00        4.35077870E 007.48233730E C01.15090999E 019.34999990E 010.
          1.26952381E-045.09151876E-C42.04668692E-034.64248896E-038.32356274E-03
-03        1.90112840E-023.42634407E-027.86461836E-021.41164489E-011.78589781E-01
-01        1.98710655E-012.19716787E-C12.41548747E-012.55013216E-012.64133531E-01
-01        3.61424077E-014.12342966E-014.25226045E-014.38163334E-014.43351597E-01
```

```
4.48547095E-014.53749454E-014.58332902E-014.64173323E-014.74620730E-01
4.85088867E-014.95575529E-015.06078815E-015.16597062E-015.29763949E-01
5.42949915E-015.56153476E-015.69373739E-015.82610387E-015.95863540E-01
6.09134179E-016.22423178E-016.49061102E-016.75795621E-017.02647614E-01
7.29640937E-017.84128267E-018.95747995E-011.01248790E 001.33219124E 00
2.12087214E 004.35563463E 007.48463422E 001.15090999E 019.39999986E 01
0.              1.22244044E-044.93847013E-042.00426370E-034.58535415E-03
8.27430224E-031.90623656E-023.45523685E-027.98691863E-021.43999384E-01
1.82469295E-012.03162777E-012.24770296E-012.47226447E-012.61072913E-01
2.70450026E-013.70371422E-014.22375816E-014.35494065E-014.48651099E-01
4.53922707E-014.59198922E-014.64479303E-014.69129175E-014.75051051E-01
4.85635221E-014.96228820E-015.06829512E-015.17435348E-015.28044683E-01
5.41309422E-015.54575759E-015.67842615E-015.81109649E-015.94377166E-01
6.07646137E-016.20918036E-016.34194857E-016.60770577E-016.87399751E-01
7.14110571E-017.40933794E-017.95013207E-019.05673087E-011.02145661E 00
1.33915389E 002.12544701E 004.35806245E 007.48578137E 001.15090999E 01
9.41599984E 010.              1.17635965E-044.81002861E-041.97391145E-03
4.54490215E-038.23432779E-031.90602402E-023.46463060E-028.03483748E-02
1.45152384E-011.84063181E-012.04999396E-012.26862532E-012.49584675E-01
2.63594225E-012.73081085E-012.74131352E-012.65983994E-012.39815998E-01
4.53065455E-014.58371979E-014.63691912E-014.68994826E-014.73672289E-01
4.79627895E-014.90268403E-015.00913239E-015.11560053E-015.22206855E-01
5.32852036E-015.46154451E-015.59450686E-015.72739887E-015.86022007E-01
5.99297678E-016.12568206E-016.25835478E-016.39101881E-016.65640748E-01
6.92215091E-017.18856484E-017.45598811E-017.99490494E-019.09725773E-01
1.02509779E 001.34195815E 002.12727985E 004.35903341E 007.48624015E 00
1.15090999E 019.44999993E 010.              1.04447243E-044.49004341E-04
1.90975083E-034.46171463E-038.14945579E-031.90301915E-023.47616097E-02
8.10543334E-021.46900901E-011.86498560E-012.07814139E-012.30077592E-01
2.53217077E-012.67482865E-012.77142292E-012.79973131E-014.33166677E-01
4.46539348E-014.59932524E-014.65293193E-014.70655328E-014.76018447E-01
4.80738449E-014.86745930E-014.97472680E-015.08195472E-015.18911874E-01
5.29619914E-015.40318012E-015.53674996E-015.67013252E-015.80332345E-01
5.93632698E-016.06915510E-016.20182753E-016.33436936E-016.46681207E-01
6.73150706E-016.99628091E-017.26150435E-017.52756751E-018.06339097E-01
9.15892458E-011.03061570E 001.34618403E 002.13003185E 004.36048961E 00
7.48692840E 001.15090999E 019.47499990E 010.              7.57931948E-05
4.02533966E-041.83176346E-034.36603963E-038.05111134E-031.89765979E-02
3.48307121E-028.16277850E-021.48373269E-011.88567910E-012.10214478E-01
2.32928051E-012.56333420E-012.70824242E-012.80635375E-013.85037974E-01
4.38869965E-014.52377886E-014.65895885E-014.71303409E-014.76710618E-01
4.82117003E-014.86873537E-014.92925441E-015.03725678E-015.14514315E-01
5.25288910E-015.36047488E-015.46788520E-015.60188651E-015.73558670E-01
5.86898571E-016.00209266E-016.13492537E-016.26750958E-016.39987713E-01
6.53206623E-016.79603642E-017.05985016E-017.32392979E-017.58871156E-01
8.12168300E-019.21110153E-011.03526333E 001.34972200E 002.13232714E 00
4.36170280E 007.48750180E 001.15090999E 019.49999988E 010.
1.25512773E-053.24597040E-041.72523360E-034.24180543E-037.92384028E-03
1.88939200E-023.48724797E-028.21852291E-021.49857648E-011.90672529E-01
2.12664256E-012.35643807E-012.59532532E-012.74259546E-012.84230083E-01
3.90291080E-014.44794327E-014.58443445E-014.72091234E-014.77547312E-01
4.83001107E-014.88452077E-014.93246186E-014.99343634E-015.10218757E-01
```

```
-01    5.21073955E-015.31906736E-015.42715138E-015.53497720E-015.66938370E-01
-01    5.80336612E-015.93692929E-016.07008845E-016.20286810E-016.33530110E-01
-01    6.46742690E-016.59929162E-016.86238813E-017.12508965E-017.38787490E-01
-01    7.65123057E-018.18108380E-019.26397991E-011.03995398E 001.35327357E 00
 00    2.13462374E 004.36291546E 007.48807496E 001.15090999E 019.54999995E 01
 01    0.            0.            5.43830699E-051.40969914E-033.89406607E-03
-03    7.57C86551E-031.86316210E-023.48652497E-028.32440829E-021.52856156E-01
-01    1.94983959E-012.17710549E-012.41472244E-012.66183305E-012.81418467E-01
-01    2.91732523E-014.01392221E-014.57346070E-014.71296960E-014.85220349E-01
-01    4.90778905E-014.96330678E-015.01875061E-015.06747550E-015.12939495E-01
-01    5.23968607E-015.34958661E-015.45907086E-015.56812078E-015.67672449E-01
-01    5.81184477E-015.94626433E-016.08C00106E-016.21308577E-016.34556013E-01
-01    6.47747493E-016.60888863E-016.73986584E-017.C0071782E-017.26069194E-01
-01    7.52039689E-017.78043151E-018.30320120E-019.37178981E-011.04945846E 00
 00    1.36C41386E 002.13921937E 004.36533868E 007.48922020E 001.15090999E 01
 01    9.59999990E 010.            0.            0.            9.25034654E-04
-03    3.38075554E-037.05583721E-031.82133704E-023.47124040E-028.42049313E-02
-02    1.55874602E-011.99418727E-012.22945133E-012.47563148E-012.73179996E-01
-01    2.88977578E-012.99672940E-014.13374859E-014.70955008E-014.85238630E-01
-01    4.99462813E-015.05132198E-015.10789263E-015.16433334E-015.21388841E-01
-01    5.2768C016E-015.38868207E-015.49993962E-015.61054736E-015.72048974E-01
-01    5.82975966E-015.96540368E-016.10002011E-016.23364675E-016.36633670E-01
-01    6.49815530E-016.62917829E-016.75948918E-016.88917714E-017.14696383E-01
-01    7.40340161E-017.65925318E-017.91524476E-018.42966735E-019.48216653E-01
-01    1.05910942E 001.36759305E 002.14381436E 004.36775821E 007.49036360E 00
 00    1.15C90999E 019.69999993E 010.            0.            0.
-04    0.            1.76145433E-035.45064402E-031.68278161E-023.38921204E-02
-02    8.57547390E-021.61898220E-012.08603191E-012.33940381E-012.60516098E-01
-01    2.88224930E-013.05332333E-013.16920295E-014.40283477E-015.01773334E-01
-01    5.16836321E-015.31753194E-015.37673712E-015.43566799E-015.49431491E-01
-01    5.54568237E-015.61072451E-015.72591579E-015.83984494E-015.95249194E-01
-01    6.06385386E-016.17394310E-016.309e0283E-016.44379681E-016.57603216E-01
-01    6.70663643E-016.83575249E-016.96353352E-017.09013867E-017.21572953E-01
-01    7.46435052E-017.71080315E-017.95623291E-018.20166206E-018.69519985E-01
-01    9.70996082E-011.07878897E 001.38203405E 002.15299097E 004.37258333E 00
 00    7.49264377E 001.15090999E 019.79999995E 010.            0.
-05    0.            0.            0.            2.86938348E-031.44953763E-02
-02    3.21654969E-028.65679204E-021.67644762E-012.17978609E-012.45446080E-01
-01    2.74365127E-013.04626024E-013.23357779E-013.36064255E-014.72054833E-01
-01    5.38893831E-015.54979968E-015.70778447E-015.77008462E-015.83185768E-01
-01    5.89208918E-015.94651473E-016.01388103E-016.13239503E-016.24859124E-01
-01    6.36247402E-016.47408223E-016.58348477E-016.71726912E-016.84798574E-01
-01    6.97590172E-017.10130614E-017.22449821E-017.34577763E-017.46543711E-01
-01    7.58375722E-017.81717277E-018.04818547E-018.27838874E-018.50909483E-01
-01    8.97522604E-019.44470990E-011.09877227E 001.39648655E 002.16211852E 00
 00    4.37738246E 007.49491322E 001.15090999E 019.89999986E 010.
       0.            0.            0.            0.            0.
 03    1.10014954E-022.92966014E-028.63574708E-021.72744612E-012.27152738E-01
 01    2.57C80948E-012.88764822E-013.22111881E-013.42852935E-013.56963629E-01
 01    5.09768188E-015.84637207E-016.02201533E-016.19225967E-016.25866622E-01
 01    6.324C7463E-016.38845331E-016.44425142E-016.51407611E-016.63543183E-01
 01    6.75252765E-016.86546624E-016.97443068E-017.07966608E-017.20637441E-01
```

7.32833749E-017.44620657E-017.56062275E-017.67219341E-017.78147858E-01
7.88898420E-017.99516058E-018.20471215E-018.41308165E-018.62217033E-01
8.83338618E-019.26533759E-01 1.01929521E 001.11881408E 001.41084355E 00
2.17116532E 004.38214815E 007.49716979E 001.15090999E 019.94999993E 01
0. 0. 0. 0. 0.
0. 8.73804700E-032.73383418E-028.57442844E-021.74866058E-01
2.31434014E-012.62696972E-012.95908573E-013.31001240E-013.52905774E-01
3.67842770E-015.31182617E-016.12182587E-016.30872267E-016.48803777E-01
6.55732757E-016.62517101E-016.69152451E-016.74865729E-016.81964910E-01
6.94159818E-017.05747354E-017.16755974E-017.27227610E-017.37212943E-01
7.49097709E-017.60397971E-017.71247929E-017.81732589E-017.91935772E-01
8.01929855E-018.11776447E-018.21527433E-018.40872753E-018.60269070E-01
8.79895353E-018.99875259E-019.41155314E-011.03017011E 001.12875098E 00
1.41794427E 002.17564654E 004.38451582E 007.49829239E 001.15090999E 01
9.99999988E 010. 0. 0. 0.
0. 0. 6.09210819E-032.49963778E-028.47481060E-02
1.76629008E-012.35410973E-012.68061075E-013.02878886E-013.39835206E-01
3.63002256E-013.78846246E-015.54270697E-016.43581790E-016.63860750E-01
6.83068877E-016.90389967E-016.97493380E-017.04370797E-017.10231364E-01
7.17428213E-017.29550689E-017.40777320E-017.51182419E-017.60861582E-01
7.69918716E-017.80509937E-017.90474999E-017.99973404E-018.09137404E-01
8.18074095E-018.26868844E-018.35589123E-018.44288027E-018.61746883E-01
8.79513538E-018.97727859E-019.16476846E-019.55743229E-011.04195692E 00
1.13859467E 001.42497906E 002.18009570E 004.38687247E 007.49941099E 00
1.15090999E 011.00500000E 020. 0. 0.
0. 0. 0. 3.02708429E-032.22359070E-02
8.33233631E-021.77954882E-023.38968733E-023.73032951E-023.09505063E-01
3.48409021E-013.72917736E-013.89737672E-015.78799587E-016.79736912E-01
7.02518255E-017.23787993E-017.31725144E-017.39309746E-017.46521330E-01
7.52548397E-017.59782690E-017.71500945E-017.81819856E-017.90950900E-01
7.99124575E-018.06557274E-018.15069389E-018.23008597E-018.30593634E-01
8.37983966E-018.45294249E-018.52606261E-018.59978139E-018.67451239E-01
8.82789290E-018.98783839E-019.15499616E-019.32965088E-019.70173776E-01
1.05358912E 001.14830731E 001.43193400E 002.18450898E 004.38921726E 00
7.50052530E 001.15090999E 011.00999999E 020. 0.
0. 0. 0. 0. 0.
1.90229815E-028.14241922E-021.78761743E-023.41981551E-023.77453172E-01
3.15583813E-013.56463432E-013.82353890E-014.00191277E-016.04160798E-01
7.21479160E-017.48767924E-017.74057406E-017.83204246E-017.91710567E-01
7.99503249E-018.05731475E-018.12794507E-018.23103499E-018.31075943E-01
8.37396634E-018.42636156E-018.47216165E-018.52426791E-018.57429445E-01
8.62439752E-018.67583275E-018.72931516E-018.78523874E-018.84380651E-01
8.90510869E-018.97598654E-019.17763352E-019.32959950E-019.49140239E-01
9.84315336E-011.06499900E 001.15785128E 001.43879540E 002.18888256E 00
4.39154935E 007.50163507E 001.15090999E 011.01500000E 020.
0. 0. 0. 0. 0.
0. 1.53247797E-027.90054470E-027.78967480E-024.4319031E-01
2.81151301E-013.20888862E-013.63693178E-013.90942582E-014.09789711E-01
6.29124254E-017.68465149E-018.04859757E-018.39794147E-018.52208996E-01
8.63339734E-018.72757721E-018.79328680E-018.85246873E-018.90061498E-01
8.91235721E-018.91063094E-018.90658236E-018.90504909E-018.90930474E-01
8.92123151E-018.94056368E-018.96672392E-018.99909532E-019.03711045E-01

```
E-01      9.08027315E-019.12815726E-019.23699439E-019.36097360E-019.49838889E-01
E-01      9.64793503E-019.98035038E-C11.07611994E C01.16719009E 001.44555004E 00
E 00      2.19321278E 004.39386779E 007.50274009E 001.15090999E 011.01699999E 02
E 01      0.            0.            0.            0.            0.
          0.            0.            1.36981978E-027.78803188E-021.78859481E-01
E-01      2.45029542E-012.82381275E-013.22729999E-013.66263598E-013.94026849E-01
E-01      4.13255703E-016.38421923E-017.87282604E-018.29632771E-018.72945321E-01
E-01      8.89364409E-019.04470122E-019.16984761E-019.24354184E-019.27334881E-01
E-01      9.23284388E-019.17668009E-019.12929606E-019.09420753E-019.07053769E-01
E-01      9.05466798E-019.05197811E-C19.05976355E-019.07660639E-019.10125828E-01
E-01      9.13274384E-019.17029035E-019.21327615E-019.31403899E-019.43151081E-01
E-01      9.56353843E-019.70852387E-C11.00336947E 001.08046983E 001.17085852E 00
E 00      1.44821848E 002.19493175E 004.39479131E 007.50318092E 001.15090999E 01
E 01      1.01799999E 020.            0.            0.            0.
          0.            0.            0.            1.28523724E-027.72829974E-02
E-02      1.78762951E-012.45333898E-C12.82939139E-013.23585305E-013.67472708E-01
E-01      3.95484510E-014.14897686E-C16.42865789E-017.96375459E-018.41968632E-01
E-01      8.9C4699C9E-019.10074127E-C19.29062796E-019.45809591E-019.55495393E-01
E-01      9.52854914E-019.40459144E-019.30529678E-019.23381960E-019.18359852E-01
E-01      9.14948297E-019.12454820E-C19.11479843E-019.11723387E-019.12974679E-01
E-01      9.15079737E-019.17922449E-019.21413016E-019.25480402E-019.35173583E-01
E-01      9.46610320E-019.59554887E-C19.73834074E-011.00600103E 001.08262227E 00
E 00      1.17267756E 001.44954529E 002.19578841E 004.39525235E 007.50340122E 00
E 00      1.15C90993E 011.01899999E 020.            0.            0.
          0.            0.            0.            0.            1.19845255E-02
E-02      7.66621815E-021.78637SC6E-C12.45603436E-012.83457750E-013.24395511E-01
E-01      3.68628830E-013.96882975E-014.16475552E-016.47154170E-018.05132747E-01
E-01      8.53971399E-019.08013105E-019.31531835E-019.56019223E-019.80833876E-01
E-01      1.CCCCOCOOE-009.80927873E-C19.56970775E-019.42668378E-019.33283544E-01
E-01      9.26983066E-019.22519398E-019.19175696E-019.17566121E-019.17311049E-01
E-01      9.18156147E-019.19921434E-019.22474182E-019.25713289E-019.29559731E-01
E-01      9.38885009E-019.50022137E-019.62716568E-019.76782596E-011.00860803E 00
E-01      1.08475934E 001.17448632E 001.45086710E 002.19664329E 004.39571297E 00
  00      7.50362158E 001.15090999E 011.02000000E 020.            0.
          0.            0.            0.            0.            0.
          1.10943466E-027.60175627E-021.78482595E-012.45837301E-012.83935973E-01
E-01      3.25159079E-013.69729787E-013.98219469E-014.17985958E-016.51268899E-01
E-01      8.13426232E-018.65286124E-019.24627912E-019.52185345E-019.82816160E-01
E-01      1.OCCCOCOOE-001.0CC000C0E-001.0C000000E-009.71005797E-019.53539252E-01
E-01      9.42413807E-019.34880078E-C19.29703975E-019.25613070E-019.23433459E-01
E-01      9.22723424E-019.23193514E-019.24642217E-019.26922774E-019.29924428E-01
E-01      9.33561218E-019.42535055E-019.53384221E-019.65837121E-019.79696596E-01
E-01      1.01118955E 001.03688051E 001.17628454E 001.45218378E 002.19749635E 00
  00      4.39617324E 007.50384170E C01.15090999E 011.02099998E 020.
          0.            0.            0.            0.            0.
          0.            1.01815338E-027.53488451E-021.78297687E-012.46034655E-01
E-01      2.84372720E-013.25874543E-013.70773515E-013.99491370E-014.19425797E-01
E-01      6.55193245E-018.21136868E-C18.75559747E-019.39241862E-019.69964671E-01
E-01      1.OCCCOOOOE-001.00000000E-001.00000000E-001.00000000E-009.81300664E-01
E-01      9.62778413E-019.50616193E-019.42267513E-019.36452019E-019.31736898E-01
E-01      9.29062164E-019.27946687E-019.28076530E-019.29234207E-019.31262016E-01
E-01      9.34041417E-019.37480712E-019.46120799E-019.56694424E-019.68914914E-01
```

9.82574773E-011.01374476E C01.08898538E 0C1.17807195E 001.45349526E 00
2.19834757E 004.39663321E 007.50406176E C01.15090999E 011.02199998E 02
0. 0. 0. 0. 0.
0. 0. 9.24575901E-037.46557200E-021.78082262E-01
2.46194720E-012.84766975E-013.26540539E-013.71758112E-014.00696204E-01
4.20792228E-016.58912587E-018.28167725E-018.84517765E-019.51057529E-01
9.83451915E-011.00C00000E-001.00000000E-001.00000000E-001.00000000E-00
9.88560450E-019.70377886E-019.57832468E-019.48999321E-019.42730725E-01
9.37525249E-019.34436858E-019.32969606E-019.32796693E-019.33690739E-01
9.35486567E-019.38059902E-019.41314626E-019.49639630E-019.59950817E-01
9.71948457E-019.85415995E-011.01627290E 001.09107360E 001.17984833E 00
1.45480146E 002.19919690E C04.39709276E 007.50428176E 001.15090999E 01
1.02399999E 020. 0. 0. 0.
0. 0. 0. 7.30443347E-037.31954014E-02
1.77558358E-012.46400687E-012.85425085E-013.27720243E-013.73544565E-01
4.02898509E-014.23297012E-016.65699381E-018.39993417E-018.98060155E-01
9.65418863E-019.96431410E-011.00CCC000E-001.COCC00CE-001.00C00000E-00
1.CCCC0C00E-009.96576679E-019.81199360E-019.69377995E-019.60467887E-01
9.53835320E-019.48055148E-019.44391549E-019.42388272E-019.41727424E-01
9.42180347E-019.43577468E-019.45789528E-019.48715687E-019.56469226E-01
9.66296518E-019.77878392E-019.90983939E-011.02124557E 001.09519866E 00
1.18336718E 001.45739761E 002.20088947E 004.39801043E 007.50472176E 00
1.15090999E 011.02599898E 020. 0. 0.
0. 0. 0. 0. 5.26871407E-03
7.16349304E-021.76906973E-012.46448904E-012.85902089E-013.28687346E-01
3.75074440E-014.04808140E-014.25479549E-016.71549541E-018.48735762E-01
9.06357002E-019.71302128E-011.00000000E-001.C0000000E-001.00C00000E-00
1.CCCCCCCCE-C01.CCCCCCCCE-C01.0C000000E-009.88285720E-019.77875984E-01
9.69556642E-019.63078809E-019.57179737E-019.53252053E-019.50931048E-01
9.49940479E-019.5C070500E-019.51159668E-019.53081775E-019.55736613E-01
9.63001847E-019.72403598E-019.83612406E-019.96388376E-011.02609876E 00
1.09925009E C01.18683729E C01.45997007E 002.20257288E 004.39892530E 00
7.50516111E 001.15090999E C11.02799998E 020. 0.
0. 0. 0. 0. 0.
3.13334525E-036.99698550E-021.76123583E-012.46334487E-012.86192632E-01
3.29435724E-013.76340443E-014.06416911E-014.27330917E-016.76450741E-01
8.54702461E-019.10661030E-019.71742070E-019.97411501E-011.00000000E-00
1.CCCCCC00E-001.0CC00000E-001.0C000000E-001.00000000E-009.93113446E-01
9.84171C03E-019.76718426E-019.70696390E-019.65002775E-019.61062419E-01
9.58614683E-019.57440221E-019.57360101E-019.58229935E-019.59932840E-01
9.62373745E-019.69235110E-019.78270972E-019.89150560E-011.00163029E 00
1.03083466E 001.10323113E C01.19026212E 001.46252200E 002.20424944E 00
4.39983881E 007.50560039E C01.15090999E 011.02999999E 020.
0. 0. 0. 0. 0.
0. 8.98994291E-046.82007259E-021.75206149E-012.46053353E-01
2.86291301E-013.29958439E-013.77333942E-014.07715338E-014.28841257E-01
6.80410922E-018.58361852E-019.12340963E-019.70052171E-019.93962908E-01
1.0CCCCCC0E-001.CCC0C0C0E-C01.0C000000E-001.00000000E-001.00000000E-00
9.96402633E-019.88867676E-019.82360470E-019.76938653E-019.71652174E-01
9.67882466E-019.65462220E-019.64229810E-019.64041710E-019.64775193E-01
9.66326800E-019.68609858E-019.75151694E-019.83882391E-019.94477880E-01
1.0C669597E C01.03544182E C01.10713319E 001.19363494E 001.46504886E 00

```
2.20591640E 004.40074933E C07.50603890E 001.15090999E 011.03500000E 02
0.              0.              0.              0.              0.
0.              0.              0.              6.33118784E-021.72312367E-01
2.446C6227E-012.85683194E-013.30262637E-013.78612176E-014.09594077E-01
4.31120229E-016.86386722E-018.59484088E-019.08834457E-019.60422277E-01
9.81582963E-011.00000000E-001.00000000E-001.00000000E-001.00000000E-00
1.CCCCCCC0E-C01.0CCC0CC0E-009.95719147E-019.91386807E-019.87638867E-01
9.83833802E-019.81022954E-019.79178882E-019.78250539E-019.78176534E-01
9.78853304E-C19.80339420E-019.82457769E-019.88555431E-019.96783614E-01
1.0C686516E 001.01858097E 001.04639073E 001.11654134E 001.20184031E 00
1.47125918E 002.21C04415E C04.40301418E 007.50713146E 001.15090999E 01
1.03555999E 020.            0.              0.              0.
0.              0.              0.              0.              5.77199137E-02
1.68526821E-012.42063171E-012.83826745E-013.29119998E-013.78181919E-01
4.09566331E-014.31340683E-016.87822539E-018.54323041E-018.99919879E-01
9.46SC7C79E-019.66011775E-019.85271871E-011.00000C0E-001.00000000E-00
1.CCCCC0C0E-C01.00CCC0C0E-C01.00C00000E-009.99044514E-019.96441162E-01
9.94160533E-019.91835117E-019.90155327E-019.89150143E-019.88245346E-01
9.89167094E-019.90156019E-019.91763628E-019.93959486E-011.00002234E 00
1.008C7247E 001.01789773E 001.02931780E 001.05648865E 001.12542519E 00
1.2C970184E C01.47730759E C02.21411204E 004.40526146E 007.50821799E 00
1.15C50999E 011.05C00000E 020.            0.              0.
0.              0.              0.              0.              0.
4.43241209E-021.582166?3E-C12.33669364E-012.76397780E-013.22605422E-01
3.72449711E-014.04182261E-014.26118463E-016.80434453E-018.34537387E-01
8.75152755E-019.16434658E-C19.33073974E-019.49769688E-019.66504443E-01
9.81250293E-C11.0CCC00CCE-C01.0CCCC000E-001.C0CC0000E-001.0C000000E-00
9.99919689E-019.99708486E-019.99721038E-011.000C8099E 001.00081888E 00
1.00195652E C01.00350788E C01.00548019E 001.00787528E 001.01069081E 00
1.01756659E 001.02603054E 001.03599565E 001.04737142E 001.07409316E 00
1.14156574E 001.22434744E 001.48889455E 002.22205988E 004.40970105E 00
7.51037223E 001.15090999E 011.05999999E 020.            0.
0.              0.              0.              0.              0.
0.              2.77983546E-021.44229412E-012.21061417E-012.64413643E-01
3.11149529E-013.61357540E-C13.93186542E-014.15123546E-016.66246283E-01
8.12863350E-018.51215708E-C18.90180969E-019.05919170E-019.21739948E-01
9.37638998E-019.51691568E-C19.69656062E-011.C0000000E-001.00000000E-00
1.0CCCCC00E-001.0C0000C0E-001.00030532E 001.00209439E 001.00409295E 00
1.00631598E C01.0C878631E 001.01152253E 0C1.01453932E 001.01784781E 00
1.02145603E C01.02958760E 001.03895417E 001.04954548E 001.06133537E 00
1.08840519E 001.15551227E C01.23748934E 001.49975096E 002.22973692E 00
4.414C6173E 007.51249999E 001.15090999E 011.03000000E 020.
0.              0.              0.              0.              0.
0.              0.              0.              1.05506887E-011.84160428E-01
2.28290483E-012.75655583E-013.26273307E-013.58205438E-013.80142406E-01
6.27973616E-017.69494802E-018.06477463E-018.44074130E-018.59276855E-01
8.74571533E-018.89956331E-C19.03567922E-019.20988762E-019.52360845E-01
9.84C53171E-011.00000000E-001.00000000E-001.00000000E-001.00000000E-00
1.00287831E 001.00712229E C01.01152226E 001.01603734E 001.02082582E 00
1.02574523E 001.03085235E 001.04164766E 0C1.05325647E 001.06570628E 00
1.079C1488E 001.10823782E C01.17711438E 001.25925884E 001.51917541E 00
2.24422789E 004.42253083E 007.51667106E 001.15090999E 011.09999999E 02
```

```
0.              0.              0.              0.              0.
0.              0.              0.              0.              5.34238708E-02
1.33827966E-011.78931043E-012.27312863E-012.78944793E-013.11459565E-01
3.33768910E-015.84492058E-017.27006030E-017.64313465E-018.02281630E-01
8.17650867E-018.33123457E-018.48698735E-018.62489319E-018.80154574E-01
9.12013710E-019.44270468E-019.76920009E-011.00000000E-001.00000000E-00
1.00000000E-001.00000000E-001.00207527E 001.00791255E 001.01387225E 00
1.01995124E 001.02615178E 001.03247997E 001.04553658E 001.05916831E 00
1.07341096E 001.08829470E 001.12006046E 001.19201483E 001.27562895E 00
1.53549804E 002.25747383E 004.43062919E 007.52071750E 001.15090999E 01
1.16000000E 020.            0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              1.03083058E-027.31818235E-02
1.12542950E-011.39348820E-014.32156736E-015.95178831E-016.37672406E-01
6.80862701E-016.98334396E-017.15918022E-017.33613712E-017.49278706E-01
7.69341826E-018.05519772E-018.42149138E-018.79231393E-019.16768277E-01
9.54763806E-011.00000000E-001.00000000E-001.00000000E-001.00000000E-00
1.00000000E-001.00436418E 001.01224867E 001.02025123E 001.03661549E 00
1.05347177E 001.07083292E 001.08871126E 001.12605451E 001.20734106E 00
1.29754805E 001.56672208E 002.28948611E 004.45254105E 007.53204811E 00
1.15090999E 011.19999999E 020.            0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              3.04772773E-023.51306036E-015.25660115E-01
5.70819271E-016.16617519E-016.35118693E-016.53724504E-016.72435570E-01
6.88988906E-017.10176033E-017.48344398E-017.86946243E-018.25986385E-01
8.65469670E-019.05400836E-019.55951166E-011.00000000E-001.00000000E-00
1.00000000E-001.00000000E-001.00000000E-001.00101767E 001.00963239E 00
1.02722439E 001.04530661E 001.06388569E 001.08296824E 001.12266332E 00
1.20832461E 001.30270894E 001.57809973E 002.30511019E 004.46501458E 00
7.53882819E 001.15090999E 011.23999999E 020.            0.
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              2.75488612E-023.30636173E-01
5.00315547E-015.44615686E-015.89667958E-016.07899559E-016.26251638E-01
6.44724208E-016.61079782E-016.82031083E-017.19820547E-017.58093327E-01
7.96850091E-018.36091757E-018.75819242E-019.26163256E-019.77270246E-01
1.00000000E-001.00000000E-001.00000000E-001.00000000E-001.00000000E-00
1.00000000E-001.01731555E 001.03621770E 001.05562067E 001.07552806E 00
1.11686639E 001.20572855E 001.30306469E 001.58438990E 002.31687352E 00
4.47582340E 007.54497051E 001.15090999E 011.31999999E 020.
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              0.              2.60773557E-02
3.13141468E-014.74391019E-015.16537285E-015.59415895E-015.76772052E-01
5.94245154E-016.11835110E-016.27410859E-016.47365272E-016.83361876E-01
7.19824207E-017.56751573E-017.94143349E-018.31998825E-018.79969275E-01
9.28561799E-019.78075004E-011.00000000E-001.00000000E-001.00000000E-00
1.00000000E-001.00000000E-001.00000000E-001.01866211E 001.03901534E 00
1.05988485E 001.10317554E 001.19599000E 001.29719970E 001.58735889E 00
2.33114085E 004.49277949E 007.55535620E 001.15090999E 011.39999999E 02
0.              0.              0.              0.              0.
```

```
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
2.53548419E-023.04469779E-C14.61288142E-015.02279764E-015.43985045E-01
5.6C866624E-015.77862144E-015.94971496E-016.10121828E-016.29531425E-01
6.64545745E-017.00013715E-017.35934585E-017.72307676E-018.09132230E-01
8.557967C7E-019.03163886E-C19.51232195E-011.00000000E-001.00000000E-00
1.00CCCCCC0E-001.000000C0E-001.000CC000E-001.000000C0E-001.00454992E 00
1.02554844E C01.04705785E 001.09161326E 001.18690157E 001.29050824E 00
1.58626439E 002.33858609E 004.50489807E 007.56348169E 001.15090999E 01
1.5CCCCCOCE 020.              0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
0.              2.52982771E-023.03810158E-014.60462844E-015.01437855E-01
5.43137592E-015.60020399E-C15.77019197E-015.94133961E-016.09290880E-01
6.28711420E-016.63752735E-016.99257916E-017.35226959E-017.71659881E-01
8.08556700E-018.55330098E-019.02828395E-019.51051664E-011.00000000E-00
1.0CCCC0C00E-001.0CCC00C0E-001.CCC000000E-0C1.00000000E-001.00000000E-00
1.0CCCCCCCE-001.02099967E C01.04253344E 001.08720312E 001.18295047E 00
1.28724827E 001.58545977E 002.34347713E 004.51521909E 007.57104927E 00
1.15090999E 011.59999999E 020.              0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              2.52958193E-023.03781807E-014.60429877E-01
5.014C4929E-015.43105221E-015.59988397E-015.76987660E-015.94102985E-01
6.09260470E-016.28681839E-016.63724875E-016.99232107E-017.35203487E-01
7.71639061E-018.085388C6E-C18.55316222E-019.02818894E-019.51046824E-01
1.0CCCCCC00E-001.0CCCC00C0E-C01.0C0CC000E-001.C0000000E-001.00000000E-00
1.CCCCC000E-001.CCCC0C0C0E-001.02093332E 0C1.04241022E 001.08699436E 00
1.18268061E 001.28705129E 001.58595863E 002.34662473E 004.52233386E 00
7.57662088E C01.15090999E C11.8C0C0000E 020.              0.
0.              0.              0.              0.              0.
0.              0.              0.              0.              0.
0.              0.              0.              2.52957997E-023.03782696E-01
4.6C431594E-015.01406997E-C15.43106991E-015.59990990E-015.76989990E-01
5.94104993E-016.09262991E-C16.28693998E-016.63726991E-016.99233991E-01
7.35204995E-017.71640992E-018.08539987E-018.55316997E-019.02819991E-01
9.51046991E-011.00CC00C0E-001.00000000E-C01.00000000E-001.00000000E-00
1.CCCCCCC0E-C01.0CCCCCC0E-C01.CCC00000E-001.02099000E 001.04251999E 00
1.08722C00E 001.18316999E 001.28783000E 001.58764999E 002.35084000E 00
4.53138CC0E 007.58412993E C01.15090999E 01
```

1.0	2.0	70.0	4.0			4.0
			94.5	8.0	111.656	4.0
8.16043	112.0	9.0	113.815	9.082	114.0	4.0
9.50	114.96	9.75	115.575	9.915	116.0	4.0
10.0	116.225	10.25	116.925	10.272	117.0	4.0
10.5	117.85	10.544	118.0	10.716	119.0	4.0
10.8	120.0	10.8001	180.0	14.5999	180.0	4.0
14.6	102.6	14.611	102.4	14.646	102.2	4.0
14.686	102.1	14.7	102.076	14.75	102.0	4.0
14.8	101.951	14.888	101.9	15.0	101.976	4.1
15.016	102.0	15.068	102.1	15.106	102.2	4.1
15.161	102.4	15.20	102.547	15.212	102.6	4.1

15.264 102.8 15.312 103.0 15.366 103.25 4.1
15.40 103.4 15.422 103.5 15.532 104.0 4.1
15.6 104.296 15.752 105.0 15.8 105.24 4.1
15.954 106.0 16.0 106.234 16.147 107.0 4.1
16.25 107.57 16.325 108.0 16.50 109.016 4.1
16.66 110.0 16.935 112.0 17.0 112.55 4.1
17.165 114.0 17.36 116.0 17.46 117.0 4.1
17.50 117.5 17.55 118.0 17.63 119.0 4.2
17.72 120.0 17.80 121.0 17.88 122.0 4.2
18.0 123.6 18.03 124.0 18.30 128.0 4.2
18.5 131.55 18.53 132.0 18.73 136.0 4.2
18.89 140.0 19.0 144.0 19.0001 180.0 4.2
100.C 180.0 4.2
1.0 2.0 40.0 5.0 5.0
180.0 14.9999 180.0 5.0
14.6 102.6 14.61 102.8 14.625 103.0 5.0
14.65 103.25 14.686 103.5 14.7 103.582 5.0
14.776 104.0 14.80 104.104 14.888 104.52 5.0
15.C 105.0 15.188 106.0 15.2 106.08 5.0
15.346 107.0 15.4 107.354 15.5 108.0 5.0
15.6 108.85 15.74 110.0 15.8 110.5 5.0
15.94 112.0 16.0 112.70 16.10 114.0 5.0
16.235 11.0 16.25 116.15 16.30 117.0 5.1
16.365 118.0 16.415 119.0 16.465 120.0 5.1
16.50 120.9 16.51 121.0 16.55 122.0 5.1
16.61 124.0 16.73 128.0 16.86 132.0 5.1
16.96 136.0 17.0 140.0 17.C001 180.0 5.1
100.C 180.0 5.1
1.0 2.0 46.0 6.0 6.0
100.0 101.8999 100.0 6.0
101.9 14.888 101.951 14.8 102.0 14.75 6.0
102.C76 14.7 102.1 14.686 102.2 14.646 6.0
102.4 14.611 102.6 14.6 102.8 14.61 6.0
103.0 14.625 103.25 14.65 103.5 14.686 6.0
103.582 14.7 104.0 14.776 104.104 14.8 6.0
104.52 14.888 105.0 15.0 106.0 15.188 6.0
106.9 15.2 107.0 15.346 107.354 15.4 6.0
108.C 15.5 108.85 15.6 110.0 15.74 6.1
110.5 15.8 112.0 15.94 112.7 16.0 6.1
114.0 16.10 116.0 16.235 116.15 16.25 6.1
117.0 16.30 118.0 16.365 119.0 16.415 6.1
120.C 16.465 120.9 16.50 121.0 16.51 6.1
122.C 16.55 124.0 16.61 128.0 16.73 6.1
132.C 16.86 136.0 16.96 140.0 17.0 6.1
180.C 17.0 6.1
1.0 2.0 47.0 7.0 7.0
100.0 101.8999 100.0 7.0
101.9 14.888 101.976 15.0 102.0 15.016 7.0
102.1 15.068 102.2 15.106 102.4 15.161 7.0
102.547 15.2 102.6 15.212 102.8 15.264 7.0
103.C 15.312 103.25 15.366 103.4 15.4 7.0
103.5 15.422 104.0 15.532 104.296 15.6 7.0

```
105.0       15.752      105.24      15.8        106.0       15.954      7.0
106.234     16.0        107.0       16.147      107.57      16.25       7.0
108.0       16.325      109.016     16.5        110.0       16.66       7.1
112.0       16.935      112.55      17.0        114.0       17.165      7.1
116.0       17.36       117.0       17.46       117.5       17.5        7.1
118.0       17.55       119.0       17.63       120.0       17.72       7.1
121.0       17.8        122.0       17.88       123.6       18.0        7.1
124.0       18.03       128.0       18.30       131.55      18.5        7.1
132.0       18.53       136.0       18.73       140.0       18.89       7.1
144.0       19.0        180.0       19.0                                7.1
1.0         2.0         19.0        8.0                                 8.0
                                                94.5                    8.0
110.0       7.22781     111.65597   8.0         112.0       8.16043     8.0
113.815     9.0         114.0       9.082       114.96      9.5         8.0
115.575     9.75        116.0       9.915       116.225     10.0        8.0
116.925     10.25       117.0       10.272      117.85      10.5        8.0
118.0       10.544      119.0       10.716      120.0       10.8        8.0
180.0       10.8                                                        8.0
1.0         2.0         20.0        9.0                                 9.0
                        -7.4                    -5.9        1.65507     9.0
-1.9        6.06859     2.1         10.48211    6.1         14.89563    9.0
10.1        19.30915    11.915      21.30893    12.1        21.51129    9.0
13.06       22.55835    13.675      23.22222    14.1        23.67813    9.0
14.325      23.91863    15.025      24.66195    15.1        24.74011    9.0
15.95       25.62016    16.1        25.77648    17.1        26.79116    9.0
18.1        27.79468    79.1        87.79468                            9.0
 SUPERSONIC INLET-- WATER IMPINGEMENT AT TAKE-OFF 12/13/65
6.0                     .25         .25
120.0       40.0        .25         .25         80.0
1.8064   -083.2805   -05135.1    2.31082  -037.6475   -021.2      -05
140.0       99.999                  1.0                 94.5
            12.75       135.1                   1.0     -1.0
101.9       14.888      1.0                     62.4
1.0         100.0       20.0        90.0        110.0
                                                1.0
 SUPERSONIC INLET-- WATER IMPINGEMENT AT TAKE-OFF 12/13/65
6.0                     .25         .25
120.0       40.0        .25         .25         80.0
1.8064   -083.2805   -05135.1    2.31082  -037.6475   -021.2      -05
140.0       99.999      27.5        0.5                 94.5
            19.5        135.1                   1.0     -1.0
101.9       14.888      1.0                     62.4
1.0         100.0       20.0        90.0        110.0
                                                1.0
```

3.0 RESULTS AND DISCUSSION

3.1 Potential Flow Computer Program Printout

The IBM 7094 machine tabular potential flow printout for the sample problem is presented on the following pages. This problem required 20.1 minutes and 1199 sweeps to iterate within the prescribed tolerance.

SUPERSONIC INLET-CAPTURE AREA RATIO= 4.14
WFS 11/20/65

COORDINATES AND FUNCTION VALUES FOR BOUNDARY POINTS ON MESH ROWS

Y	N	X	F(X,Y)	X	F(X,Y)
-0.	4.0000000	-0.	-0.	94.5000000	-0.
0.2500000	4.0000000	-0.	0.0000719	95.0361195	-0.
0.5000000	4.0000000	-0.	0.0002877	95.5722494	-0.
1.0000000	4.0000000	-0.	0.0011509	96.6444998	-0.
1.5000000	4.0000000	-0.	0.0025895	97.7167492	-0.
2.0000000	4.0000000	-0.	0.0046036	98.7889996	-0.
3.0000000	4.0000000	-0.	0.0103582	100.9340000	-0.
4.0000000	4.0000000	-0.	0.0184146	103.0780001	-0.
6.0000000	4.0000000	-0.	0.0414328	107.3669996	-0.
8.0000000	4.0000000	-0.	0.0736582	111.6559992	-0.
9.0000000	4.0000000	-0.	0.0932237	113.8149996	-0.
9.5000000	4.0000000	-0.	0.1038700	114.9599991	-0.
10.0000000	4.0000000	-0.	0.1150910	116.2249994	-0.
10.5000000	4.0000000	-0.	0.1268680	117.8500004	-0.
10.8000000	8.0000000	-0.	0.1342420	120.0000000	-0.
11.0000000	4.0000000	120.0000000 -0.	0.1392600	180.0000000 180.0000000	-0. 0.0252958
13.0000000	4.0000000	-0.	0.1945040	180.0000000	0.3037827
14.0000000	4.0000000	-0.	0.2255780	180.0000000	0.4604316
14.2500000	4.0000000	-0.	0.2337070	180.0000000	0.5014070
14.5000000	4.0000000	-0.	0.2419790	180.0000000	0.5431070

COORDINATES AND FUNCTION VALUES FOR BOUNDARY POINTS ON MESH ROWS

Y	N	X	F(X,Y)	X	F(X,Y)
14.5999999	8.0000000	-0.	0.2453280	102.5998993	1.0000000
		102.6001987	1.0000000	180.0000000	0.5599910
14.6999999	8.0000000	-0.	0.2487000	102.6759993	1.0000000
		103.5819998	1.0000000	180.0000000	0.5769900
14.8000000	8.0000000	-0.	0.2520950	101.9510002	1.0000000
		104.1039991	1.0000000	180.0000000	0.5941050
14.8879999	8.0000000	-0.	0.2551020	101.8999996	1.0000000
		104.5199995	1.0000000	180.0000000	0.6092630
15.0000000	8.0000000	-0.	0.2589550	101.9759998	1.0000000
		105.0000000	1.0000000	180.0000000	0.6286940
15.1999999	8.0000000	-0.	0.2659050	102.5469999	1.0000000
		106.0799999	1.0000000	180.0000000	0.6637270
15.4000000	8.0000000	-0.	0.2729500	103.3999996	1.0000000
		107.3540001	1.0000000	180.0000000	0.6992340
15.5999999	8.0000000	-0.	0.2800850	104.2959995	1.0000000
		108.8500004	1.0000000	180.0000000	0.7352050
15.8000000	8.0000000	-0.	0.2873130	105.2399998	1.0000000
		110.5000000	1.0000000	180.0000000	0.7716410
16.0000000	8.0000000	-0.	0.2946330	106.2340002	1.0000000
		112.6999998	1.0000000	180.0000000	0.8085400
16.2500000	8.0000000	-0.	0.3039120	107.5699997	1.0000000
		116.1500006	1.0000000	180.0000000	0.8553170
16.5000000	8.0000000	-0.	0.3133350	109.0159998	1.0000000
		120.8999996	1.0000000	180.0000000	0.9028200
16.7500000	8.0000000	-0.	0.3229020	110.6999998	1.0000000
		130.5999985	1.0000000	180.0000000	0.9510470
17.0000000	8.0000000	-0.	0.3326130	112.5500002	1.0000000
		140.0000000	1.0000000	180.0000000	1.0000000
17.2500000	4.0000000	-0.	0.3424680	114.8500004	1.0000000
17.5000000	4.0000000	-0.	0.3524660	117.5000000	1.0000000
17.7500000	4.0000000	-0.	0.3626090	120.1500006	1.0000000
18.0000000	4.0000000	-0.	0.3728950	123.5999994	1.0000000
18.5000000	4.0000000	-0.	0.3938990	131.5499992	1.0000000
19.0000000	8.0000000	-0.	0.4154750	144.0000000	1.0000000
		144.0000000	1.0000000	180.0000000	1.0000000
19.5000000	4.0000000	-0.	0.4376300	180.0000000	1.0209900
20.0000000	4.0000000	-0.	0.4603640	180.0000000	1.0425200
21.0000000	4.0000000	-0.	0.5075510	180.0000000	1.0872200
23.0000000	4.0000000	-0.	0.6088260	180.0000000	1.1831700
25.0000000	4.0000000	-0.	0.7193130	180.0000000	1.2878300

			0.7193130	180.0000000	1.2878300

COORDINATES AND FUNCTION VALUES FOR BOUNDARY POINTS ON MESH ROWS

Y	N	X	F(X,Y)	X	F(X,Y)
30.0000000	4.0000000	-0.	1.0358190	180.0000000	1.5876500
40.0000000	4.0000000	-0.	1.8414560	180.0000000	2.3508400
60.0000000	4.0000000	-0.	4.1432400	180.0000000	4.5313800
80.0000000	4.0000000	-0.	7.3658240	180.0000000	7.5841299
100.0000000	4.0000000	-0.	11.5091000	180.0000000	11.5091000

COORDINATES AND FUNCTION VALUES FOR BOUNDARY POINTS ON MESH COLUMNS

X	N	Y	F(X,Y)	Y	F(X,Y)
-0.	4.0000000	-0.	-0.	100.0000000	11.5091000
5.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
10.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
15.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
20.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
25.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
30.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
35.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
40.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
45.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
50.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
55.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
60.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
65.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
70.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
75.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
80.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
82.5000000	4.0000000	-0.	-0.	100.0000000	11.5091000
85.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
87.5000000	4.0000000	-0.	-0.	100.0000000	11.5091000
90.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
92.5000000	4.0000000	-0.	-0.	100.0000000	11.5091000
93.5000000	4.0000000	-0.	-0.	100.0000000	11.5091000
94.0000000	4.0000000	-0.	-0.	100.0000000	11.5091000
94.1999998	4.0000000	-0.	-0.	100.0000000	11.5091000

COORDINATES AND FUNCTION VALUES FOR BOUNDARY POINTS ON MESH COLUMNS

X	N	Y	F(X,Y)	Y	F(X,Y)
94.5000000	4.0000000	-0.	-0.	100.0000000	11.5091000
94.7500000	4.0000000	0.1165800	-0.	100.0000000	11.5091000
95.0000000	4.0000000	0.2331600	-0.	100.0000000	11.5091000
95.5000000	4.0000000	0.4663100	-0.	100.0000000	11.5091000
96.0000000	4.0000000	0.6994700	-0.	100.0000000	11.5091000
97.0000000	4.0000000	1.1658000	-0.	100.0000000	11.5091000
98.0000000	4.0000000	1.6321200	-0.	100.0000000	11.5091000
99.0000000	4.0000000	2.0984400	-0.	100.0000000	11.5091000
99.5000000	4.0000000	2.3316000	-0.	100.0000000	11.5091000
100.0000000	4.0000000	2.5647600	-0.	100.0000000	11.5091000
100.5000000	4.0000000	2.7979000	-0.	100.0000000	11.5091000
101.0000000	4.0000000	3.0310200	-0.	100.0000000	11.5091000
101.5000000	4.0000000	3.2641700	-0.	100.0000000	11.5091000
101.6999998	4.0000000	3.3574300	-0.	100.0000000	11.5091000
101.7999992	4.0000000	3.4040600	-0.	100.0000000	11.5091000
101.8999996	8.0000000	3.4506900	-0.	14.9879999	1.0000000
		14.8879999	1.0000000	100.0000000	11.5091000
102.0000000	8.0000000	3.4973300	-0.	14.7500000	1.0000000
		15.0159999	1.0000000	100.0000000	11.5091000
102.0999994	8.0000000	3.5439600	-0.	14.6860000	1.0000000
		15.0680000	1.0000000	100.0000000	11.5091000
102.1999998	8.0000000	3.5905900	-0.	14.6459999	1.0000000
		15.1059999	1.0000000	100.0000000	11.5091000
102.3999996	8.0000000	3.6838500	-0.	14.6110001	1.0000000
		15.1610000	1.0000000	100.0000000	11.5091000
102.5998993	8.0000000	3.7771100	-0.	14.6000999	1.0000000
		15.2119999	1.0000000	100.0000000	11.5091000
102.7999992	8.0000000	3.8703700	-0.	14.6099999	1.0000000
		15.2639999	1.0000000	100.0000000	11.5091000
103.0000000	8.0000000	3.9636300	-0.	14.6250000	1.0000000
		15.3119999	1.0000000	100.0000000	11.5091000
103.5000000	8.0000000	4.1967900	-0.	14.6860000	1.0000000
		15.4219999	1.0000000	100.0000000	11.5091000
104.0000000	8.0000000	4.4299500	-0.	14.7759999	1.0000000
		15.5319999	1.0000000	100.0000000	11.5091000

COORDINATES AND FUNCTION VALUES FOR BOUNDARY POINTS ON MESH COLUMNS

X	N	Y	F(X,Y)	Y	F(X,Y)
105.0000000	8.0000000	4.8962600	-0.	15.0000000	1.0000000
		15.7520000	1.0000000	100.0000000	11.5091000
106.0000000	8.0000000	5.3625699	-0.	15.1880000	1.0000000
		15.9540000	1.0000000	100.0000000	11.5091000
108.0000000	8.0000000	6.2951900	-0.	15.5000000	1.0000000
		16.3250000	1.0000000	100.0000000	11.5091000
110.0000000	8.0000000	7.2278100	-0.	15.7399999	1.0000000
		16.6599998	1.0000000	100.0000000	11.5091000
116.0000000	8.0000000	9.9150000	-0.	16.2349999	1.0000000
		17.3599999	1.0000000	100.0000000	11.5091000
120.0000000	8.0000000	10.8000000	-0.	16.4649999	1.0000000
		17.7199998	1.0000000	100.0000000	11.5091000
124.0000000	8.0000000	10.8000000	-0.	16.6099999	1.0000000
		18.0300000	1.0000000	100.0000000	11.5091000
132.0000000	8.0000000	10.8000000	-0.	16.8599999	1.0000000
		18.5300000	1.0000000	100.0000000	11.5091000
140.0000000	8.0000000	10.8000000	-0.	17.0000000	1.0000000
		18.8900001	1.0000000	100.0000000	11.5091000
150.0000000	8.0000000	10.8000000	-0.	17.0000000	1.0000000
		19.0000000	1.0000000	100.0000000	11.5091000
160.0000000	8.0000000	10.8000000	-0.	17.0000000	1.0000000
		19.0000000	1.0000000	100.0000000	11.5091000
180.0000000	8.0000000	10.8000000	-0.	17.0000000	1.0000000
		19.0000000	1.0000000	100.0000000	11.5091000

AXYM =1. NDERIV=-0 XSCL= 0.250 YSCL= 0.250
NSWPS= 4000 Y0 = -0. XL1 = -0. YL1 = -0.
CVGS =0.0000001 Y1 = -0. XL2 = 180.000 YL2 = 100.000
PUNCH=1. XSCLA= 0.250 YSCLA= 0.250
XL1A= 80.000 YL1A= -0.
XL2A= 120.000 YL2A= 40.000

```
SWEEP NUMBER   20 RESIDUE=  5.4822100E-01 AT COLUMN  47 ROW  21 WITH CONVERGENCE HISTORY

        1.108212          1.011282          0.996376          0.994221          0.994133          0.994350
        0.994577          0.994773          0.994939          0.995082

SWEEP NUMBER   40 RESIDUE=  1.5535445E-02 AT COLUMN  52 ROW  16 WITH CONVERGENCE HISTORY

        0.204975          0.215573          0.225424          0.234588          0.243120          0.251073
        0.258493          0.265425          0.271909          0.277980

SWEEP NUMBER   51 RESIDUE= -2.4510421E-02 AT COLUMN  53 ROW  15 WITH CONVERGENCE HISTORY

        0.401070          0.397902          0.394581          0.391175          0.387841

SWEEP NUMBER   71 RESIDUE= -4.0345458E-03 AT COLUMN  52 ROW  20 WITH CONVERGENCE HISTORY

        0.923838          0.918425          0.913972          0.910227          0.907049          0.904337
        0.902014          0.900019          0.898300          0.896817

SWEEP NUMBER   82 RESIDUE=  2.5124849E-03 AT COLUMN  52 ROW  20 WITH CONVERGENCE HISTORY

        0.876754          0.878494          0.879854          0.880949          0.881843

SWEEP NUMBER  102 RESIDUE=  1.1006731E-03 AT COLUMN  32 ROW  15 WITH CONVERGENCE HISTORY

        0.250300          0.251221          0.252153          0.253078          0.253989          0.254883
        0.255758          0.256614          0.257453          0.258273

SWEEP NUMBER  113 RESIDUE= -6.7756486E-03 AT COLUMN  32 ROW  14 WITH CONVERGENCE HISTORY

        0.317491          0.314765          0.313431          0.312592          0.311940

SWEEP NUMBER  133 RESIDUE=  9.3608043E-04 AT COLUMN  34 ROW  37 WITH CONVERGENCE HISTORY

        0.781208          0.782330          0.783373          0.784310          0.785147          0.785892
        0.786557          0.787152          0.787687          0.788169

SWEEP NUMBER  144 RESIDUE= -1.1341530E-03 AT COLUMN  54 ROW  17 WITH CONVERGENCE HISTORY

        0.587943          0.587358          0.587079          0.586878          0.586713

SWEEP NUMBER  164 RESIDUE= -3.1552791E-04 AT COLUMN  29 ROW  48 WITH CONVERGENCE HISTORY

        4.398380          4.398052          4.397732          4.397419          4.397112          4.396812
        4.396518          4.396231          4.395950          4.395675

SWEEP NUMBER  175 RESIDUE= -1.6788857E-03 AT COLUMN  52 ROW  20 WITH CONVERGENCE HISTORY

        0.900227          0.898247          0.896669          0.895388          0.894342

SWEEP NUMBER  195 RESIDUE=  7.0187404E-04 AT COLUMN  33 ROW  37 WITH CONVERGENCE HISTORY

        0.773952          0.774782          0.775526          0.776186          0.776767          0.777276
        0.777722          0.778113          0.778455          0.778756

SWEEP NUMBER  206 RESIDUE=  5.0864994E-04 AT COLUMN  52 ROW  20 WITH CONVERGENCE HISTORY

        0.891791          0.887289          0.887587          0.888012          0.888280
```

SWEEP NUMBER [illegible] RESIDUE= 1.8380277E-04 AT COLUMN 37 ROW 29 WITH CONVERGENCE HISTORY

0.800082 0.800272 0.800448 0.800608 0.800753 0.800882
0.800999 0.801105 0.801200 0.801287

SWEEP NUMBER 237 RESIDUE= -1.9072331E-04 AT COLUMN 37 ROW 20 WITH CONVERGENCE HISTORY

0.771700 0.771539 0.771415 0.771317 0.771240

SWEEP NUMBER 257 RESIDUE= 9.2376024E-05 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.738209 0.738313 0.738413 0.738507 0.738595 0.738677
0.738754 0.738826 0.738894 0.738958

SWEEP NUMBER 268 RESIDUE= -1.3196502E-04 AT COLUMN 24 ROW 20 WITH CONVERGENCE HISTORY

0.441152 0.441124 0.441104 0.441094 0.441092

SWEEP NUMBER 288 RESIDUE= 5.6201368E-05 AT COLUMN 31 ROW 24 WITH CONVERGENCE HISTORY

0.548099 0.548158 0.548216 0.548271 0.548323 0.548373
0.548421 0.548467 0.548511 0.548553

SWEEP NUMBER 299 RESIDUE= -1.4418825E-04 AT COLUMN 31 ROW 20 WITH CONVERGENCE HISTORY

0.527936 0.527862 0.527806 0.527764 0.527733

SWEEP NUMBER 319 RESIDUE= 7.1645007E-05 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.741626 0.741706 0.741782 0.741852 0.741918 0.741978
0.742034 0.742085 0.742133 0.742177

SWEEP NUMBER 330 RESIDUE= -8.1219449E-05 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.775664 0.775583 0.775517 0.775462 0.775416

SWEEP NUMBER 350 RESIDUE= 3.3388063E-05 AT COLUMN 22 ROW 37 WITH CONVERGENCE HISTORY

0.582282 0.582322 0.582362 0.582401 0.582438 0.582473
0.582510 0.582544 0.582577 0.582609

SWEEP NUMBER 361 RESIDUE= -1.5686571E-04 AT COLUMN 37 ROW 23 WITH CONVERGENCE HISTORY

0.799826 0.799694 0.799574 0.799468 0.799376

SWEEP NUMBER 381 RESIDUE= 7.7503994E-05 AT COLUMN 33 ROW 37 WITH CONVERGENCE HISTORY

0.786391 0.786484 0.786568 0.786644 0.786712 0.786773
0.786827 0.786875 0.786919 0.786958

SWEEP NUMBER 392 RESIDUE= -5.7130232E-05 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.777072 0.777014 0.776966 0.776925 0.776890

SWEEP NUMBER 412 RESIDUE= 2.0669773E-05 AT COLUMN 37 ROW 24 WITH CONVERGENCE HISTORY

0.804955 0.804976 0.804996 0.805014 0.805030 0.805044
0.805057 0.805068 0.805079 0.805088

SWEEP NUMBER 423 RESIDUE= -2.6702285E-05 AT COLUMN 48 ROW 48 WITH CONVERGENCE HISTORY

4.405795 4.405775 4.405754 4.405733 4.405712

SWEEP NUMBER 443 RESIDUE= -1.7964840E-05 AT COLUMN 53 ROW 48 WITH CONVERGENCE HISTORY

4.397086 4.397107 4.397109 4.397103 4.397095

0.804955 0.804976 0.804996 0.805014 0.805030 0.805044
0.805057 0.805068 0.805079 0.805088

SWEEP NUMBER 423 RESIDUE= -2.6702285E-05 AT COLUMN 48 ROW 48 WITH CONVERGENCE HISTORY

4.405795 4.405775 4.405754 4.405733 4.405712

SWEEP NUMBER 443 RESIDUE= -1.7964840E-05 AT COLUMN 53 ROW 48 WITH CONVERGENCE HISTORY

4.397086 4.397107 4.397109 4.397103 4.397095

SWEEP NUMBER 474 RESIDUE= -2.0108372E-05 AT COLUMN 33 ROW 37 WITH CONVERGENCE HISTORY

0.788461 0.788438 0.788418 0.788401 0.788385 0.788373
0.788362 0.788353 0.788345 0.788339

SWEEP NUMBER 485 RESIDUE= -1.3718605E-05 AT COLUMN 44 ROW 49 WITH CONVERGENCE HISTORY

7.507617 7.507606 7.507595 7.507583 7.507571

SWEEP NUMBER 505 RESIDUE= -9.7990035E-06 AT COLUMN 53 ROW 49 WITH CONVERGENCE HISTORY

7.519176 7.519168 7.519159 7.519151 7.519143 7.519135
7.519126 7.519118 7.519110 7.519101

SWEEP NUMBER 516 RESIDUE= 5.0219893E-05 AT COLUMN 38 ROW 49 WITH CONVERGENCE HISTORY

7.504879 7.504895 7.504899 7.504897 7.504893

SWEEP NUMBER 536 RESIDUE= -1.0452271E-05 AT COLUMN 53 ROW 49 WITH CONVERGENCE HISTORY

7.518339 7.518331 7.518323 7.518316 7.518309 7.518303
7.518296 7.518290 7.518284 7.518278

SWEEP NUMBER 547 RESIDUE= 3.5490766E-05 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.777618 0.777663 0.777702 0.777736 0.777765

SWEEP NUMBER 567 RESIDUE= 1.6464367E-05 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746187 0.746205 0.746221 0.746236 0.746249 0.746261
0.746271 0.746281 0.746289 0.746296

SWEEP NUMBER 578 RESIDUE= -1.3922751E-05 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.778108 0.778093 0.778081 0.778070 0.778060

SWEEP NUMBER 598 RESIDUE= -5.5527686E-06 AT COLUMN 53 ROW 49 WITH CONVERGENCE HISTORY

7.517849 7.517844 7.517840 7.517836 7.517832 7.517828
7.517824 7.517820 7.517816 7.517812

SWEEP NUMBER 609 RESIDUE= 2.7957782E-05 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.777793 0.777828 0.777859 0.777886 0.777909

SWEEP NUMBER 629 RESIDUE= 1.3157204E-05 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746334 0.746348 0.746361 0.746372 0.746383 0.746392
0.746400 0.746407 0.746414 0.746419

SWEEP NUMBER 640 RESIDUE= -1.0646209E-05 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.778171 0.778159 0.778149 0.778141 0.778134

SWEEP NUMBER 660 RESIDUE= -3.9502233E-06 AT COLUMN 33 ROW 37 WITH CONVERGENCE HISTORY

0.788873 0.788869

7.505200 7.505197 7.505194 7.505191

[illegible] ITH CONVERGENCE HISTORY

7.506488 7.506485 7.506482 7.506480 7.506477 7.506474
7.506471 7.506469 7.506466 7.506463

SWEEP NUMBER 702 RESIDUE= 1.2983680E-05 AT COLUMN 38 ROW 49 WITH CONVERGENCE HISTORY

7.503357 7.503361 7.503362 7.503361 7.503360

SWEEP NUMBER 722 RESIDUE= -2.6947260E-06 AT COLUMN 53 ROW 49 WITH CONVERGENCE HISTORY

7.517157 7.517155 7.517153 7.517151 7.517150 7.517148
7.517146 7.517144 7.517143 7.517141

SWEEP NUMBER 733 RESIDUE= 5.1546841E-06 AT COLUMN 33 ROW 36 WITH CONVERGENCE HISTORY

0.778088 0.778094 0.778100 0.778105 0.778109

SWEEP NUMBER 753 RESIDUE= 2.3782998E-06 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746509 0.746512 0.746514 0.746516 0.746518 0.746520
0.746521 0.746523 0.746524 0.746525

SWEEP NUMBER 764 RESIDUE= -2.2047758E-06 AT COLUMN 54 ROW 49 WITH CONVERGENCE HISTORY

7.521068 7.521066 7.521065 7.521064 7.521063

SWEEP NUMBER 784 RESIDUE= -1.4698505E-06 AT COLUMN 53 ROW 49 WITH CONVERGENCE HISTORY

7.517047 7.517045 7.517044 7.517043 7.517042 7.517041
7.517040 7.517039 7.517037 7.517036

SWEEP NUMBER 795 RESIDUE= 6.2876939E-06 AT COLUMN 23 ROW 49 WITH CONVERGENCE HISTORY

7.484902 7.484905 7.484906 7.484906 7.484906

SWEEP NUMBER 815 RESIDUE= 2.1843612E-06 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746527 0.746529 0.746531 0.746533 0.746535 0.746536
0.746538 0.746539 0.746540 0.746541

SWEEP NUMBER 826 RESIDUE= -1.7250329E-06 AT COLUMN 32 ROW 36 WITH CONVERGENCE HISTORY

0.734595 0.734593 0.734592 0.734591 0.734589

SWEEP NUMBER 846 RESIDUE= -8.1658363E-07 AT COLUMN 53 ROW 48 WITH CONVERGENCE HISTORY

4.422787 4.422787 4.422786 4.422785 4.422785 4.422784
4.422783 4.422783 4.422782 4.422782

SWEEP NUMBER 857 RESIDUE= 5.3894520E-06 AT COLUMN 24 ROW 49 WITH CONVERGENCE HISTORY

7.485965 7.485965 7.485965 7.485965 7.485964

SWEEP NUMBER 877 RESIDUE= 1.8883497E-06 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746535 0.746537 0.746538 0.746540 0.746541 0.746543
0.746544 0.746545 0.746546 0.746547

SWEEP NUMBER 888 RESIDUE= -1.3983995E-06 AT COLUMN 32 ROW 36 WITH CONVERGENCE HISTORY

0.734597 0.734596 0.734594 0.734593 0.734592
4.403229 4.403229 4.403229 4.403229

SWEEP NUMBER 919 RESIDUE= 3.5828480E-06 AT COLUMN 38 ROW 49 WITH CONVERGENCE HISTORY

0.734597 0.734596 0.734594 0.734593 0.734592

SWEEP NUMBER 919 RESIDUE= 3.5929680E-06 AT COLUMN 38 ROW 49 WITH CONVERGENCE HISTORY

7.502885 7.502886 7.502887 7.502887 7.502887

SWEEP NUMBER 939 RESIDUE= 1.5413016E-06 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746539 0.746540 0.746542 0.746543 0.746544 0.746545
0.746546 0.746547 0.746548 0.746548

SWEEP NUMBER 950 RESIDUE= -1.1023879E-06 AT COLUMN 32 ROW 36 WITH CONVERGENCE HISTORY

0.734595 0.734594 0.734593 0.734592 0.734591

SWEEP NUMBER 970 RESIDUE= -4.3891370E-07 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746556 0.746556 0.746556 0.746555 0.746555 0.746554
0.746554 0.746554 0.746554 0.746554

SWEEP NUMBER 981 RESIDUE= 7.3492527E-07 AT COLUMN 23 ROW 49 WITH CONVERGENCE HISTORY

7.484740 7.484740 7.484740 7.484739 7.484739

SWEEP NUMBER 1001 RESIDUE= -4.0829182E-07 AT COLUMN 51 ROW 48 WITH CONVERGENCE HISTORY

4.409831 4.409831 4.409831 4.409830 4.409830 4.409830
4.409830 4.409829 4.409829 4.409829

SWEEP NUMBER 1012 RESIDUE= 2.4497509E-06 AT COLUMN 38 ROW 49 WITH CONVERGENCE HISTORY

7.502839 7.502839 7.502839 7.502839 7.502839

SWEEP NUMBER 1032 RESIDUE= -4.5932829E-07 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746556 0.746556 0.746555 0.746555 0.746555 0.746554
0.746554 0.746554 0.746553 0.746553

SWEEP NUMBER 1043 RESIDUE= -4.0829182E-07 AT COLUMN 58 ROW 48 WITH CONVERGENCE HISTORY

4.492813 4.492813 4.492813 4.492813 4.492812

SWEEP NUMBER 1063 RESIDUE= -2.4497509E-07 AT COLUMN 43 ROW 48 WITH CONVERGENCE HISTORY

4.396746 4.396746 4.396746 4.396745 4.396745 4.396745
4.396745 4.396744 4.396744 4.396744

SWEEP NUMBER 1074 RESIDUE= 1.7964840E-06 AT COLUMN 39 ROW 48 WITH CONVERGENCE HISTORY

4.394881 4.394881 4.394881 4.394881 4.394881

SWEEP NUMBER 1094 RESIDUE= -3.8787722E-07 AT COLUMN 32 ROW 37 WITH CONVERGENCE HISTORY

0.746554 0.746554 0.746554 0.746553 0.746553 0.746553
0.746552 0.746552 0.746552 0.746552

SWEEP NUMBER 1105 RESIDUE= -4.0829182E-07 AT COLUMN 20 ROW 49 WITH CONVERGENCE HISTORY

7.470922 7.470922 7.470922 7.470922 7.470921

SWEEP NUMBER 1125 RESIDUE= -1.6331673E-07 AT COLUMN 24 ROW 48 WITH CONVERGENCE HISTORY

```
        4.358138          4.358138          4.358138          4.358138          4.358138          4.358138
        4.358138          4.358137          4.358137          4.358137

 SWEEP NUMBER 1136 RESIDUE=  1.6331673E-06 AT COLUMN  17 ROW  48 WITH CONVERGENCE HISTORY

        4.292579          4.292580          4.292580          4.292580          4.292581

 SWEEP NUMBER 1156 RESIDUE= -3.4704804E-07 AT COLUMN  32 ROW  37 WITH CONVERGENCE HISTORY

        0.746554          0.746553          0.746553          0.746552          0.746552          0.746552
        0.746552          0.746552          0.746551          0.746551

 SWEEP NUMBER 1167 RESIDUE=  4.0829182E-07 AT COLUMN  23 ROW  49 WITH CONVERGENCE HISTORY

        7.484688          7.484688          7.484688          7.484688          7.484688

 SWEEP NUMBER 1187 RESIDUE=  1.1228025E-07 AT COLUMN  32 ROW  37 WITH CONVERGENCE HISTORY

        0.746549          0.746549          0.746549          0.746549          0.746549          0.746550
        0.746550          0.746550          0.746550          0.746550

 SWEEP NUMBER 1198 RESIDUE= -1.7352402E-07 AT COLUMN  33 ROW  36 WITH CONVERGENCE HISTORY

        0.778155          0.778154          0.778154          0.778154          0.778154
 PROGRAM LEFT SUBROUTINE SWEEP AFTER    1199 SWEEPS WITH    -0.000000 RESIDUE
```

X= -0.

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	-0.0000000	0.
0.2500000	0.0000719	0.0000000	0.0005755	0.0023016
0.5000000	0.0002877	0.0000001	0.0011509	0.0023018
1.0000000	0.0011509	0.0000004	0.0023018	0.0023018
1.5000000	0.0025895	0.0000010	0.0034527	0.0023018
2.0000000	0.0046036	0.0000018	0.0046036	0.0023018
3.0000000	0.0103582	0.0000040	0.0069055	0.0023018
4.0000000	0.0184146	0.0000070	0.0092073	0.0023018
6.0000000	0.0414328	0.0000158	0.0138109	0.0023018
8.0000000	0.0736582	0.0000279	0.0184146	0.0023018
9.0000000	0.0932237	0.0000351	0.0207169	0.0023019
9.5000000	0.1038700	0.0000389	0.0218673	0.0023018
10.0000000	0.1150910	0.0000431	0.0230180	0.0023018
10.5000000	0.1268880	0.0000473	0.0241686	0.0023018
10.8000000	0.1342420	0.0000500	0.0248593	0.0023018
11.0000000	0.1392600	0.0000518	0.0253202	0.0023018
13.0000000	0.1945040	0.0000714	0.0299233	0.0023018
14.0000000	0.2255780	0.0000823	0.0322276	0.0023020
14.2500000	0.2337070	0.0000849	0.0328020	0.0023019
14.5000000	0.2419790	0.0000877	0.0333752	0.0023017
14.5999999	0.2453280	0.0000889	0.0336050	0.0023017
14.6999999	0.2487000	0.0000901	0.0338350	0.0023017
14.8000000	0.2520950	0.0000913	0.0340673	0.0023018
14.8879999	0.2551020	0.0000923	0.0342722	0.0023020
15.0000000	0.2589550	0.0000935	0.0345286	0.0023019
15.1999999	0.2659060	0.0000960	0.0349875	0.0023018
15.4000000	0.2729500	0.0000983	0.0354475	0.0023018
15.5999999	0.2800850	0.0001010	0.0359075	0.0023018
15.8000000	0.2873130	0.0001033	0.0363700	0.0023019
16.0000000	0.2946330	0.0001058	0.0368293	0.0023018
16.2500000	0.3039120	0.0001090	0.0374040	0.0023018
16.5000000	0.3133350	0.0001122	0.0379800	0.0023018
16.7500000	0.3229020	0.0001154	0.0385560	0.0023019
17.0000000	0.3326130	0.0001186	0.0391320	0.0023019
17.2500000	0.3424680	0.0001219	0.0397060	0.0023018
17.5000000	0.3524660	0.0001252	0.0402820	0.0023018
17.7500000	0.3626090	0.0001284	0.0408580	0.0023019
18.0000000	0.3728950	0.0001319	0.0414320	0.0023018
18.5000000	0.3938990	0.0001388	0.0425800	0.0023016
19.0000000	0.4154750	0.0001459	0.0437310	0.0023016
19.5000000	0.4376300	0.0001539	0.0448890	0.0023020
20.0000000	0.4603640	0.0001600	0.0460410	0.0023021
21.0000000	0.5075510	0.0001748	0.0483372	0.0023018
23.0000000	0.6088260	0.0002068	0.0529405	0.0023018
25.0000000	0.7193130	0.0002385	0.0575457	0.0023018
30.0000000	1.0358190	0.0003197	0.0690554	0.0023019
40.0000000	1.8414560	0.0004815	0.0920722	0.0023018
60.0000000	4.1432400	0.0006671	0.1381092	0.0023018
80.0000000	7.3658240	0.0004862	0.1841465	0.0023018
100.0000000	11.5091000	0.	0.2301811	0.0023018

X= 5.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000721	0.0000000	0.0005766	0.0023064
0.5000000	0.0002883	0.0000001	0.0011532	0.0023064
1.0000000	0.0011532	0.0000005	0.0023064	0.0023064
1.5000000	0.0025947	0.0000011	0.0034595	0.0023064
2.0000000	0.0046127	0.0000019	0.0046127	0.0023064
3.0000000	0.0103786	0.0000042	0.0069190	0.0023063
4.0000000	0.0184508	0.0000074	0.0092253	0.0023063
6.0000000	0.0415140	0.0000167	0.0138377	0.0023063
8.0000000	0.0738015	0.0000294	0.0184497	0.0023062
9.0000000	0.0934042	0.0000371	0.0207555	0.0023062
9.5000000	0.1040701	0.0000412	0.0219084	0.0023061
10.0000000	0.1153125	0.0000455	0.0230612	0.0023061
10.5000000	0.1271314	0.0000500	0.0242140	0.0023061
10.8000000	0.1344993	0.0000529	0.0249057	0.0023061
11.0000000	0.1395266	0.0000548	0.0253668	0.0023061
13.0000000	0.1948712	0.0000755	0.0299775	0.0023060
14.0000000	0.2260013	0.0000870	0.0322825	0.0023059
14.2500000	0.2341440	0.0000899	0.0328588	0.0023059
14.5000000	0.2424307	0.0000929	0.0334350	0.0023059
14.5999999	0.2457857	0.0000942	0.0336656	0.0023059
14.6999999	0.2491638	0.0000954	0.0338962	0.0023059
14.8000000	0.2525649	0.0000966	0.0341269	0.0023059
14.8879999	0.2555770	0.0000977	0.0343298	0.0023059
15.0000000	0.2594365	0.0000991	0.0345881	0.0023059
15.1999999	0.2664002	0.0001016	0.0350492	0.0023059
15.4000000	0.2734561	0.0001041	0.0355102	0.0023059
15.5999999	0.2806043	0.0001067	0.0359712	0.0023059
15.8000000	0.2878446	0.0001093	0.0364322	0.0023058
16.0000000	0.2951771	0.0001119	0.0368932	0.0023058
16.2500000	0.3044725	0.0001152	0.0374694	0.0023058
16.5000000	0.3139118	0.0001185	0.0380456	0.0023058
16.7500000	0.3234952	0.0001219	0.0386217	0.0023058
17.0000000	0.3332227	0.0001253	0.0391979	0.0023058
17.2500000	0.3430942	0.0001287	0.0397740	0.0023057
17.5000000	0.3531097	0.0001322	0.0403501	0.0023057
17.7500000	0.3632693	0.0001357	0.0409263	0.0023057
18.0000000	0.3735728	0.0001393	0.0415024	0.0023057
18.5000000	0.3946121	0.0001465	0.0426545	0.0023057
19.0000000	0.4162273	0.0001541	0.0438066	0.0023056
19.5000000	0.4384187	0.0001616	0.0449587	0.0023056
20.0000000	0.4611860	0.0001688	0.0461107	0.0023055
21.0000000	0.5084486	0.0001842	0.0484144	0.0023055
23.0000000	0.6098845	0.0002166	0.0530212	0.0023053
25.0000000	0.7205336	0.0002497	0.0576274	0.0023051
30.0000000	1.0374562	0.0003351	0.0691384	0.0023046
40.0000000	1.8439166	0.0005028	0.0921426	0.0023036
60.0000000	4.1466315	0.0006895	0.1381094	0.0023018
80.0000000	7.3682912	0.0005007	0.1840617	0.0023008
100.0000000	11.5091000	0.	0.2300192	0.0023002

80.0000000	7.3682912	0.0005007	0.1381094	0.0023018
100.0000000	11.5091000	0.	0.1840617	0.0023008
			0.2300192	0.0023002

X= 10.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000722	0.0000000	0.0005778	0.0023112
0.5000000	0.0002889	0.0000001	0.0011556	0.0023112
1.0000000	0.0011556	0.0000005	0.0023112	0.0023112
1.5000000	0.0026001	0.0000011	0.0034667	0.0023112
2.0000000	0.0046223	0.0000020	0.0046223	0.0023111
3.0000000	0.0104002	0.0000045	0.0069334	0.0023111
4.0000000	0.0184891	0.0000080	0.0092444	0.0023111
6.0000000	0.0415996	0.0000180	0.0138659	0.0023110
8.0000000	0.0739527	0.0000318	0.0184867	0.0023108
9.0000000	0.0935946	0.0000401	0.0207968	0.0023108
9.5000000	0.1042817	0.0000445	0.0219518	0.0023107
10.0000000	0.1155464	0.0000492	0.0231067	0.0023107
10.5000000	0.1273884	0.0000541	0.0242615	0.0023106
10.8000000	0.1347708	0.0000571	0.0249544	0.0023106
11.0000000	0.1398079	0.0000592	0.0254163	0.0023106
13.0000000	0.1952593	0.0000816	0.0300345	0.0023104
14.0000000	0.2264482	0.0000940	0.0323431	0.0023102
14.2500000	0.2346061	0.0000972	0.0329202	0.0023102
14.5000000	0.2429083	0.0001004	0.0334973	0.0023102
14.5999999	0.2462696	0.0001017	0.0337282	0.0023102
14.6999999	0.2496539	0.0001030	0.0339591	0.0023101
14.8000000	0.2530614	0.0001044	0.0341901	0.0023101
14.8879999	0.2560791	0.0001055	0.0343934	0.0023101
15.0000000	0.2599456	0.0001070	0.0346520	0.0023101
15.1999999	0.2669222	0.0001097	0.0351137	0.0023101
15.4000000	0.2739911	0.0001124	0.0355754	0.0023101
15.5999999	0.2811524	0.0001152	0.0360371	0.0023101
15.8000000	0.2884060	0.0001180	0.0364987	0.0023101
16.0000000	0.2957519	0.0001208	0.0369603	0.0023100
16.2500000	0.3050641	0.0001243	0.0375373	0.0023100
16.5000000	0.3145205	0.0001279	0.0381142	0.0023100
16.7500000	0.3241212	0.0001315	0.0386911	0.0023099
17.0000000	0.3338661	0.0001351	0.0392680	0.0023099
17.2500000	0.3437552	0.0001388	0.0398448	0.0023099
17.5000000	0.3537885	0.0001425	0.0404217	0.0023098
17.7500000	0.3639660	0.0001463	0.0409985	0.0023098
18.0000000	0.3742877	0.0001501	0.0415752	0.0023097
18.5000000	0.3953637	0.0001578	0.0427287	0.0023097
19.0000000	0.4170164	0.0001656	0.0438820	0.0023096
19.5000000	0.4392457	0.0001735	0.0450352	0.0023095
20.0000000	0.4620516	0.0001816	0.0461883	0.0023094
21.0000000	0.5093930	0.0001981	0.0484941	0.0023093
23.0000000	0.6109924	0.0002322	0.0531044	0.0023089
25.0000000	0.7218104	0.0002674	0.0577127	0.0023085
30.0000000	1.0391704	0.0003585	0.0692251	0.0023075
40.0000000	1.8464836	0.0005350	0.0922151	0.0023054
60.0000000	4.1501346	0.0007236	0.1381087	0.0023018
80.0000000	7.3708310	0.0005223	0.1839741	0.0022997
100.0000000	11.5091000	0.	0.2298528	0.0022985

X= 15.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000724	0.0000000	0.0005791	0.0023165
0.5000000	0.0002896	0.0000001	0.0011582	0.0023165
1.0000000	0.0011582	0.0000006	0.0023165	0.0023165
1.5000000	0.0026060	0.0000013	0.0034747	0.0023165
2.0000000	0.0046329	0.0000023	0.0046329	0.0023164
3.0000000	0.0104240	0.0000051	0.0069492	0.0023164
4.0000000	0.0185313	0.0000091	0.0092654	0.0023163
6.0000000	0.0416942	0.0000203	0.0138971	0.0023162
8.0000000	0.0741196	0.0000359	0.0185277	0.0023160
9.0000000	0.0938048	0.0000452	0.0208424	0.0023158
9.5000000	0.1045153	0.0000502	0.0219997	0.0023158
10.0000000	0.1158045	0.0000554	0.0231568	0.0023157
10.5000000	0.1276721	0.0000609	0.0243139	0.0023156
10.8000000	0.1350704	0.0000643	0.0250080	0.0023156
11.0000000	0.1401183	0.0000667	0.0254708	0.0023155
13.0000000	0.1956874	0.0000919	0.0300972	0.0023152
14.0000000	0.2269409	0.0001057	0.0324096	0.0023150
14.2500000	0.2351156	0.0001093	0.0329876	0.0023149
14.5000000	0.2434347	0.0001129	0.0335657	0.0023149
14.5999999	0.2468029	0.0001144	0.0337969	0.0023149
14.6999999	0.2501941	0.0001159	0.0340282	0.0023149
14.8000000	0.2536085	0.0001173	0.0342596	0.0023149
14.8879999	0.2566323	0.0001187	0.0344632	0.0023148
15.0000000	0.2605067	0.0001203	0.0347222	0.0023148
15.1999999	0.2674974	0.0001233	0.0351846	0.0023148
15.4000000	0.2745805	0.0001264	0.0356469	0.0023147
15.5999999	0.2817561	0.0001295	0.0361092	0.0023147
15.8000000	0.2890242	0.0001326	0.0365716	0.0023147
16.0000000	0.2963848	0.0001357	0.0370336	0.0023146
16.2500000	0.3057154	0.0001396	0.0376116	0.0023146
16.5000000	0.3151906	0.0001436	0.0381893	0.0023145
16.7500000	0.3248101	0.0001477	0.0387670	0.0023145
17.0000000	0.3345741	0.0001517	0.0393446	0.0023144
17.2500000	0.3444824	0.0001559	0.0399222	0.0023143
17.5000000	0.3545352	0.0001600	0.0404998	0.0023143
17.7500000	0.3647323	0.0001642	0.0410773	0.0023142
18.0000000	0.3750739	0.0001684	0.0416548	0.0023142
18.5000000	0.3961900	0.0001770	0.0428096	0.0023140
19.0000000	0.4178835	0.0001857	0.0439642	0.0023139
19.5000000	0.4401542	0.0001945	0.0451187	0.0023138
20.0000000	0.4630021	0.0002035	0.0462729	0.0023137
21.0000000	0.5104292	0.0002218	0.0485809	0.0023134
23.0000000	0.6122061	0.0002595	0.0531946	0.0023128
25.0000000	0.7232075	0.0002985	0.0578052	0.0023122
30.0000000	1.0410411	0.0003988	0.0693187	0.0023107
40.0000000	1.8492663	0.0005902	0.0922917	0.0023073
60.0000000	4.1538679	0.0007821	0.1381062	0.0023018
80.0000000	7.3735147	0.0005584	0.1838808	0.0022985
100.0000000	11.5091000	0.	0.2296777	0.0022968

100.0000000	11.5091000	0.	0.2296777	0.0022968

20.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000726	0.0000000	0.0005806	0.0023226
0.5000000	0.0002903	0.0000002	0.0011613	0.0023226
1.0000000	0.0011613	0.0000007	0.0023226	0.0023226
1.5000000	0.0026129	0.0000015	0.0034838	0.0023225
2.0000000	0.0046451	0.0000027	0.0046450	0.0023225
3.0000000	0.0104514	0.0000060	0.0069674	0.0023225
4.0000000	0.0185799	0.0000106	0.0092895	0.0023224
6.0000000	0.0418030	0.0000238	0.0139329	0.0023221
8.0000000	0.0743114	0.0000419	0.0185746	0.0023218
9.0000000	0.0940462	0.0000528	0.0208947	0.0023216
9.5000000	0.1047835	0.0000586	0.0220545	0.0023215
10.0000000	0.1161007	0.0000648	0.0232142	0.0023214
10.5000000	0.1279977	0.0000712	0.0243738	0.0023213
10.8000000	0.1354142	0.0000752	0.0250694	0.0023213
11.0000000	0.1404745	0.0000779	0.0255332	0.0023212
13.0000000	0.1961780	0.0001072	0.0301688	0.0023207
14.0000000	0.2275053	0.0001233	0.0324855	0.0023204
14.2500000	0.2356990	0.0001274	0.0330645	0.0023203
14.5000000	0.2440375	0.0001316	0.0336435	0.0023203
14.5999999	0.2474135	0.0001333	0.0338752	0.0023202
14.6999999	0.2508126	0.0001350	0.0341069	0.0023202
14.8000000	0.2542349	0.0001367	0.0343387	0.0023202
14.8879999	0.2572656	0.0001383	0.0345426	0.0023202
15.0000000	0.2611489	0.0001402	0.0348020	0.0023201
15.1999999	0.2681557	0.0001437	0.0352652	0.0023201
15.4000000	0.2752550	0.0001472	0.0357284	0.0023200
15.5999999	0.2824470	0.0001508	0.0361914	0.0023200
15.8000000	0.2897316	0.0001544	0.0366545	0.0023199
16.0000000	0.2971088	0.0001580	0.0371175	0.0023199
16.2500000	0.3064605	0.0001626	0.0376962	0.0023198
16.5000000	0.3159569	0.0001672	0.0382748	0.0023197
16.7500000	0.3255979	0.0001719	0.0388533	0.0023196
17.0000000	0.3353835	0.0001766	0.0394318	0.0023195
17.2500000	0.3453138	0.0001813	0.0400102	0.0023195
17.5000000	0.3553886	0.0001861	0.0405885	0.0023194
17.7500000	0.3656081	0.0001910	0.0411668	0.0023193
18.0000000	0.3759721	0.0001958	0.0417451	0.0023192
18.5000000	0.3971337	0.0002057	0.0429014	0.0023190
19.0000000	0.4188734	0.0002157	0.0440574	0.0023188
19.5000000	0.4411911	0.0002259	0.0452131	0.0023187
20.0000000	0.4640865	0.0002362	0.0463686	0.0023185
21.0000000	0.5116106	0.0002572	0.0486789	0.0023181
23.0000000	0.6135877	0.0003005	0.0532961	0.0023173
25.0000000	0.7247951	0.0003449	0.0579091	0.0023164
30.0000000	1.0431582	0.0004586	0.0694227	0.0023141
40.0000000	1.8523855	0.0006713	0.0923747	0.0023094
60.0000000	4.1579553	0.0008661	0.1381007	0.0023017
80.0000000	7.3764151	0.0006093	0.1837786	0.0022972
100.0000000	11.5091000	0.	0.2294899	0.0022949

X= 25.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000728	0.0000000	0.0005825	0.0023298
0.5000000	0.0002912	0.0000002	0.0011649	0.0023298
1.0000000	0.0011649	0.0000008	0.0023298	0.0023298
1.5000000	0.0026210	0.0000018	0.0034947	0.0023298
2.0000000	0.0046596	0.0000032	0.0046595	0.0023298
3.0000000	0.0104839	0.0000072	0.0069890	0.0023297
4.0000000	0.0186377	0.0000128	0.0093182	0.0023296
6.0000000	0.0419322	0.0000287	0.0139754	0.0023292
8.0000000	0.0745392	0.0000506	0.0186302	0.0023288
9.0000000	0.0943328	0.0000636	0.0209566	0.0023285
9.5000000	0.1051018	0.0000707	0.0221195	0.0023284
10.0000000	0.1164523	0.0000780	0.0232822	0.0023282
10.5000000	0.1283840	0.0000857	0.0244446	0.0023281
10.8000000	0.1358220	0.0000905	0.0251420	0.0023280
11.0000000	0.1408469	0.0000937	0.0256069	0.0023279
13.0000000	0.1962592	0.0001289	0.0302532	0.0023272
14.0000000	0.2281735	0.0001481	0.0325748	0.0023268
14.2500000	0.2363897	0.0001530	0.0331551	0.0023267
14.5000000	0.2447510	0.0001581	0.0337353	0.0023266
14.5999999	0.2481361	0.0001601	0.0339674	0.0023266
14.6999999	0.2515445	0.0001621	0.0341995	0.0023265
14.8000000	0.2549760	0.0001642	0.0344317	0.0023265
14.8879999	0.2580150	0.0001660	0.0346360	0.0023265
15.0000000	0.2619088	0.0001683	0.0348960	0.0023264
15.1999999	0.2689344	0.0001725	0.0353601	0.0023263
15.4000000	0.2760529	0.0001767	0.0358241	0.0023263
15.5999999	0.2832641	0.0001809	0.0362880	0.0023262
15.8000000	0.2905681	0.0001852	0.0367519	0.0023261
16.0000000	0.2979648	0.0001895	0.0372157	0.0023260
16.2500000	0.3073412	0.0001950	0.0377954	0.0023259
16.5000000	0.3168625	0.0002005	0.0383750	0.0023258
16.7500000	0.3265287	0.0002060	0.0389545	0.0023257
17.0000000	0.3363397	0.0002116	0.0395339	0.0023255
17.2500000	0.3462956	0.0002173	0.0401132	0.0023254
17.5000000	0.3563963	0.0002230	0.0406925	0.0023253
17.7500000	0.3666419	0.0002287	0.0412717	0.0023252
18.0000000	0.3770322	0.0002345	0.0418508	0.0023251
18.5000000	0.3982471	0.0002462	0.0430087	0.0023248
19.0000000	0.4200409	0.0002581	0.0441662	0.0023246
19.5000000	0.4424133	0.0002701	0.0453234	0.0023243
20.0000000	0.4653643	0.0002823	0.0464803	0.0023241
21.0000000	0.5130012	0.0003071	0.0487929	0.0023235
23.0000000	0.6152109	0.0003580	0.0534138	0.0023224
25.0000000	0.7266565	0.0004100	0.0580269	0.0023212
30.0000000	1.0456272	0.0005419	0.0695412	0.0023181
40.0000000	1.8559793	0.0007825	0.0924660	0.0023117
60.0000000	4.1625293	0.0009778	0.1380907	0.0023016
80.0000000	7.3796074	0.0006754	0.1836643	0.0022958
100.0000000	11.5091000	0.	0.2292850	0.0022928

X= 30.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000731	0.0000001	0.0005847	0.0023387
0.5000000	0.0002923	0.0000002	0.0011693	0.0023387
1.0000000	0.0011693	0.0000010	0.0023387	0.0023387
1.5000000	0.0026310	0.0000022	0.0035080	0.0023386
2.0000000	0.0046773	0.0000040	0.0046772	0.0023386
3.0000000	0.0105238	0.0000090	0.0070155	0.0023385
4.0000000	0.0187083	0.0000159	0.0093533	0.0023383
6.0000000	0.0420902	0.0000356	0.0140273	0.0023379
8.0000000	0.0748173	0.0000626	0.0186980	0.0023373
9.0000000	0.0946826	0.0000787	0.0210320	0.0023369
9.5000000	0.1054902	0.0000873	0.0221985	0.0023367
10.0000000	0.1168811	0.0000964	0.0233648	0.0023365
10.5000000	0.1288550	0.0001059	0.0245308	0.0023363
10.8000000	0.1363192	0.0001117	0.0252302	0.0023362
11.0000000	0.1414118	0.0001157	0.0256964	0.0023361
13.0000000	0.1974666	0.0001588	0.0303555	0.0023351
14.0000000	0.2289862	0.0001824	0.0326826	0.0023345
14.2500000	0.2372296	0.0001884	0.0332644	0.0023344
14.5000000	0.2456184	0.0001946	0.0338460	0.0023342
14.5999999	0.2490146	0.0001971	0.0340786	0.0023342
14.6999999	0.2524341	0.0001996	0.0343114	0.0023341
14.8000000	0.2558769	0.0002021	0.0345441	0.0023341
14.8879999	0.2589258	0.0002043	0.0347489	0.0023341
15.0000000	0.2628322	0.0002071	0.0350094	0.0023340
15.1999999	0.2698906	0.0002122	0.0354745	0.0023339
15.4000000	0.2770220	0.0002173	0.0359395	0.0023338
15.5999999	0.2842564	0.0002225	0.0364044	0.0023337
15.8000000	0.2915838	0.0002277	0.0368693	0.0023335
16.0000000	0.2990041	0.0002330	0.0373340	0.0023334
16.2500000	0.3084102	0.0002395	0.0379149	0.0023333
16.5000000	0.3179616	0.0002463	0.0384956	0.0023331
16.7500000	0.3276580	0.0002530	0.0390762	0.0023329
17.0000000	0.3374996	0.0002598	0.0396567	0.0023328
17.2500000	0.3474864	0.0002667	0.0402371	0.0023326
17.5000000	0.3576182	0.0002736	0.0408173	0.0023325
17.7500000	0.3678950	0.0002806	0.0413975	0.0023323
18.0000000	0.3783169	0.0002876	0.0419775	0.0023321
18.5000000	0.3995957	0.0003018	0.0431373	0.0023318
19.0000000	0.4214542	0.0003162	0.0442965	0.0023315
19.5000000	0.4438922	0.0003308	0.0454553	0.0023311
20.0000000	0.4669095	0.0003455	0.0466136	0.0023307
21.0000000	0.5146813	0.0003753	0.0489288	0.0023300
23.0000000	0.6171674	0.0004364	0.0535534	0.0023285
25.0000000	0.7288949	0.0004985	0.0581702	0.0023269
30.0000000	1.0485770	0.0006542	0.0696787	0.0023227
40.0000000	1.8602106	0.0009296	0.0925676	0.0023143
60.0000000	4.1677332	0.0011194	0.1380740	0.0023013
80.0000000	7.3831691	0.0007572	0.1835342	0.0022942
100.0000000	11.5091000	0.	0.2290589	0.0022906

X= 35.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000734	0.0000001	0.0005874	0.0023498
0.5000000	0.0002937	0.0000003	0.0011749	0.0023498
1.0000000	0.0011749	0.0000013	0.0023498	0.0023498
1.5000000	0.0026435	0.0000028	0.0035246	0.0023497
2.0000000	0.0046995	0.0000051	0.0046994	0.0023497
3.0000000	0.0105736	0.0000114	0.0070486	0.0023495
4.0000000	0.0187967	0.0000201	0.0093972	0.0023493
6.0000000	0.0422878	0.0000450	0.0140921	0.0023487
8.0000000	0.0751649	0.0000791	0.0187825	0.0023478
9.0000000	0.0951194	0.0000994	0.0211258	0.0023473
9.5000000	0.1059751	0.0001103	0.0222968	0.0023471
10.0000000	0.1174163	0.0001217	0.0234675	0.0023468
10.5000000	0.1294427	0.0001336	0.0246378	0.0023465
10.8000000	0.1369393	0.0001409	0.0253397	0.0023463
11.0000000	0.1420540	0.0001459	0.0258076	0.0023462
13.0000000	0.1983476	0.0002000	0.0304820	0.0023448
14.0000000	0.2299972	0.0002294	0.0328163	0.0023441
14.2500000	0.2382742	0.0002369	0.0333995	0.0023439
14.5000000	0.2466970	0.0002446	0.0339827	0.0023437
14.5999999	0.2501069	0.0002477	0.0342160	0.0023436
14.6999999	0.2535402	0.0002508	0.0344493	0.0023436
14.8000000	0.2569968	0.0002539	0.0346826	0.0023435
14.8879999	0.2600579	0.0002567	0.0348879	0.0023434
15.0000000	0.2639800	0.0002602	0.0351492	0.0023433
15.1999999	0.2710564	0.0002665	0.0356154	0.0023432
15.4000000	0.2782262	0.0002729	0.0360816	0.0023430
15.5999999	0.2854891	0.0002793	0.0365477	0.0023429
15.8000000	0.2928452	0.0002858	0.0370137	0.0023427
16.0000000	0.3002945	0.0002923	0.0374795	0.0023425
16.2500000	0.3097372	0.0003005	0.0380617	0.0023423
16.5000000	0.3193254	0.0003088	0.0386437	0.0023421
16.7500000	0.3290591	0.0003172	0.0392256	0.0023419
17.0000000	0.3389382	0.0003256	0.0398073	0.0023417
17.2500000	0.3489628	0.0003341	0.0403889	0.0023415
17.5000000	0.3591327	0.0003427	0.0409703	0.0023412
17.7500000	0.3694479	0.0003513	0.0415516	0.0023410
18.0000000	0.3799085	0.0003600	0.0421327	0.0023408
18.5000000	0.4012653	0.0003775	0.0432945	0.0023403
19.0000000	0.4232029	0.0003952	0.0444556	0.0023399
19.5000000	0.4457209	0.0004131	0.0456161	0.0023394
20.0000000	0.4688190	0.0004312	0.0467760	0.0023389
21.0000000	0.5167546	0.0004678	0.0490938	0.0023379
23.0000000	0.6195754	0.0005423	0.0537218	0.0023358
25.0000000	0.7316420	0.0006175	0.0583396	0.0023337
30.0000000	1.0521694	0.0008035	0.0698405	0.0023282
40.0000000	1.8652753	0.0011202	0.0926812	0.0023172
60.0000000	4.1737235	0.0012938	0.1380476	0.0023009
80.0000000	7.3871794	0.0008549	0.1833844	0.0022923
100.0000000	11.5091000	0.	0.2288076	0.0022881

60.0000000	4.1737235	0.0012938	0.1380476	0.0023009
80.0000000	7.3871794	0.0008549	0.1833844	0.0022923
100.0000000	11.5091000	0.	0.2288076	0.0022881

X= 40.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000739	0.0000001	0.0005910	0.0023640
0.5000000	0.0002955	0.0000004	0.0011820	0.0023640
1.0000000	0.0011820	0.0000015	0.0023640	0.0023640
1.5000000	0.0026595	0.0000037	0.0035459	0.0023639
2.0000000	0.0047279	0.0000065	0.0047277	0.0023639
3.0000000	0.0106374	0.0000147	0.0070909	0.0023636
4.0000000	0.0189097	0.0000260	0.0094533	0.0023633
6.0000000	0.0425402	0.0000581	0.0141747	0.0023625
8.0000000	0.0756083	0.0001029	0.0188900	0.0023613
9.0000000	0.0956763	0.0001270	0.0212449	0.0023606
9.5000000	0.1065930	0.0001410	0.0224216	0.0023602
10.0000000	0.1180979	0.0001566	0.0235977	0.0023598
10.5000000	0.1301907	0.0001718	0.0247733	0.0023594
10.8000000	0.1377285	0.0001812	0.0254783	0.0023592
11.0000000	0.1428711	0.0001875	0.0259483	0.0023590
13.0000000	0.1994662	0.0002565	0.0306415	0.0023571
14.0000000	0.2312797	0.0002938	0.0329840	0.0023561
14.2500000	0.2395989	0.0003034	0.0335692	0.0023558
14.5000000	0.2480643	0.0003131	0.0341543	0.0023556
14.5999999	0.2514914	0.0003170	0.0343883	0.0023555
14.6999999	0.2549420	0.0003209	0.0346224	0.0023554
14.8000000	0.2584159	0.0003249	0.0348565	0.0023553
14.8879999	0.2614924	0.0003284	0.0350624	0.0023552
15.0000000	0.2654340	0.0003328	0.0353244	0.0023551
15.1999999	0.2725457	0.0003408	0.0357921	0.0023548
15.4000000	0.2797509	0.0003489	0.0362596	0.0023546
15.5999999	0.2870495	0.0003570	0.0367271	0.0023544
15.8000000	0.2944417	0.0003652	0.0371943	0.0023542
16.0000000	0.3019273	0.0003734	0.0376615	0.0023540
16.2500000	0.3114156	0.0003838	0.0382452	0.0023537
16.5000000	0.3210499	0.0003942	0.0388288	0.0023534
16.7500000	0.3308300	0.0004048	0.0394121	0.0023531
17.0000000	0.3407559	0.0004154	0.0399952	0.0023528
17.2500000	0.3508276	0.0004260	0.0405781	0.0023525
17.5000000	0.3610450	0.0004368	0.0411609	0.0023522
17.7500000	0.3714081	0.0004476	0.0417434	0.0023519
18.0000000	0.3819167	0.0004585	0.0423257	0.0023516
18.5000000	0.4033706	0.0004804	0.0434897	0.0023509
19.0000000	0.4254064	0.0005025	0.0446528	0.0023503
19.5000000	0.4480235	0.0005249	0.0458151	0.0023496
20.0000000	0.4712215	0.0005474	0.0469766	0.0023490
21.0000000	0.5193592	0.0005928	0.0492970	0.0023476
23.0000000	0.6225907	0.0006848	0.0539277	0.0023449
25.0000000	0.7350702	0.0007768	0.0585450	0.0023420
30.0000000	1.0566119	0.0010006	0.0700323	0.0023346
40.0000000	1.8714129	0.0013642	0.0928077	0.0023204
60.0000000	4.1806708	0.0015036	0.1380076	0.0023003
80.0000000	7.3917184	0.0009686	0.1832107	0.0022902
100.0000000	11.5091000	0.	0.2285274	0.0022853

X= 45.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000745	0.0000001	0.0005956	0.0023826
0.5000000	0.0002978	0.0000005	0.0011913	0.0023825
1.0000000	0.0011913	0.0000022	0.0023825	0.0023825
1.5000000	0.0026803	0.0000049	0.0035736	0.0023824
2.0000000	0.0047649	0.0000086	0.0047646	0.0023823
3.0000000	0.0107204	0.0000193	0.0071460	0.0023820
4.0000000	0.0190569	0.0000343	0.0095263	0.0023816
6.0000000	0.0428687	0.0000764	0.0142819	0.0023803
8.0000000	0.0761846	0.0001339	0.0190291	0.0023787
9.0000000	0.0963993	0.0001679	0.0213989	0.0023777
9.5000000	0.1073948	0.0001862	0.0225827	0.0023772
10.0000000	0.1[illegible]820	0.0002052	0.0237657	0.0023767
10.5000000	0.1[illegible]505	0.0002250	0.0249479	0.0023761
10.8000000	0.136[illegible]12	0.0002372	0.0256569	0.0023757
11.0000000	0.1439298	0.0002455	0.0261293	0.0023755
13.0000000	0.2009122	0.0003348	0.0308457	0.0023729
14.0000000	0.2329352	0.0003830	0.0331983	0.0023715
14.2500000	0.2413082	0.0003953	0.0337858	0.0023711
14.5000000	0.2498281	0.0004078	0.0343731	0.0023707
14.5999999	0.2532771	0.0004128	0.0346081	0.0023706
14.6999999	0.2567497	0.0004179	0.0348430	0.0023704
14.8000000	0.2602457	0.0004230	0.0350780	0.0023703
14.8879999	0.2633417	0.0004274	0.0352847	0.0023702
15.0000000	0.2673083	0.0004331	0.0355477	0.0023700
15.1999999	0.2744648	0.0004434	0.0360170	0.0023697
15.4000000	0.2817151	0.0004537	0.0364861	0.0023694
15.5999999	0.2890593	0.0004641	0.0369551	0.0023691
15.8000000	0.2964972	0.0004746	0.0374239	0.0023688
16.0000000	0.3040288	0.0004851	0.0378926	0.0023685
16.2500000	0.3135752	0.0004984	0.0384781	0.0023681
16.5000000	0.3232679	0.0005117	0.0390633	0.0023677
16.7500000	0.3331068	0.0005252	0.0396482	0.0023673
17.0000000	0.3430920	0.0005387	0.0402329	0.0023668
17.2500000	0.3532233	0.0005523	0.0408173	0.0023664
17.5000000	0.3635006	0.0005659	0.0414014	0.0023660
17.7500000	0.3739240	0.0005797	0.0419853	0.0023656
18.0000000	0.3844933	0.0005935	0.0425689	0.0023652
18.5000000	0.4060695	0.0006213	0.0437352	0.0023643
19.0000000	0.4282285	0.0006493	0.0449004	0.0023634
19.5000000	0.4509699	0.0006775	0.0460645	0.0023625
20.0000000	0.4742931	0.0007058	0.0472275	0.0023616
21.0000000	0.5226830	0.0007628	0.0495501	0.0023598
23.0000000	0.6264239	0.0008774	0.0541819	0.0023560
25.0000000	0.7394105	0.0009907	0.0587961	0.0023522
30.0000000	1.0621756	0.0012607	0.0702601	0.0023424
40.0000000	1.8789173	0.0016737	0.0929468	0.0023240
60.0000000	4.1887596	0.0017515	0.1379467	0.0022993
80.0000000	7.3968651	0.0010976	0.1830085	0.0022876
100.0000000	11.5091000	0.	0.2282150	0.0022821

80.0000000	7.3968651	0.0010976	0.1830085	0.0022876
100.0000000	11.5091000	0.	0.2282150	0.0022821

X= 50.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000752	0.0000002	0.0006018	0.0024072
0.5000000	0.0003009	0.0000007	0.0012036	0.0024072
1.0000000	0.0012036	0.0000029	0.0024071	0.0024071
1.5000000	0.0027080	0.0000065	0.0036105	0.0024070
2.0000000	0.0048141	0.0000116	0.0048137	0.0024068
3.0000000	0.0108308	0.0000260	0.0072191	0.0024064
4.0000000	0.0192523	0.0000460	0.0096230	0.0024058
6.0000000	0.0433043	0.0001025	0.0144238	0.0024040
8.0000000	0.0769476	0.0001793	0.0192125	0.0024017
9.0000000	0.0973355	0.0002246	0.0216014	0.0024003
9.5000000	0.1084546	0.0002488	0.0227943	0.0023995
10.0000000	0.1201498	0.0002740	0.0239860	0.0023988
10.5000000	0.1324406	0.0003002	0.0251767	0.0023979
10.8000000	0.1401008	0.0003164	0.0258906	0.0023974
11.0000000	0.1453265	0.0003274	0.0263662	0.0023971
13.0000000	0.2028143	0.0004449	0.0311113	0.0023934
14.0000000	0.2351093	0.0005080	0.0334759	0.0023914
14.2500000	0.2435521	0.0005241	0.0340663	0.0023909
14.5000000	0.2521424	0.0005404	0.0346563	0.0023904
14.5999999	0.2556199	0.0005470	0.0348922	0.0023902
14.6999999	0.2591209	0.0005535	0.0351282	0.0023900
14.8000000	0.2626455	0.0005602	0.0353642	0.0023898
14.8879999	0.2657667	0.0005660	0.0355718	0.0023896
15.0000000	0.2697655	0.0005734	0.0358358	0.0023894
15.1999999	0.2769798	0.0005868	0.0363070	0.0023889
15.4000000	0.2842883	0.0006002	0.0367780	0.0023885
15.5999999	0.2916910	0.0006137	0.0372488	0.0023881
15.8000000	0.2991878	0.0006273	0.0377193	0.0023876
16.0000000	0.3067787	0.0006409	0.0381896	0.0023872
16.2500000	0.3163996	0.0006581	0.0387771	0.0023866
16.5000000	0.3261673	0.0006753	0.0393642	0.0023861
16.7500000	0.3360817	0.0006927	0.0399509	0.0023855
17.0000000	0.3461428	0.0007101	0.0405373	0.0023849
17.2500000	0.3563503	0.0007276	0.0411233	0.0023843
17.5000000	0.3667043	0.0007452	0.0417089	0.0023837
17.7500000	0.3772048	0.0007629	0.0422942	0.0023832
18.0000000	0.3878515	0.0007805	0.0428790	0.0023826
18.5000000	0.4095833	0.0008162	0.0440477	0.0023814
19.0000000	0.4318991	0.0008519	0.0452147	0.0023801
19.5000000	0.4547981	0.0008878	0.0463803	0.0023789
20.0000000	0.4782794	0.0009238	0.0475444	0.0023777
21.0000000	0.5269871	0.0009959	0.0498680	0.0023751
23.0000000	0.6313645	0.0011395	0.0544976	0.0023700
25.0000000	0.7449774	0.0012796	0.0591041	0.0023647
30.0000000	1.0692191	0.0016046	0.0705299	0.0023516
40.0000000	1.8881303	0.0020637	0.0930960	0.0023280
60.0000000	4.1981857	0.0020391	0.1378636	0.0022980
80.0000000	7.4026940	0.0012406	0.1827729	0.0022847
100.0000000	11.5091000	0.	0.2278677	0.0022787

X= 55.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000763	0.0000002	0.0006101	0.0024406
0.5000000	0.0003051	0.0000010	0.0012203	0.0024406
1.0000000	0.0012203	0.0000040	0.0024405	0.0024405
1.5000000	0.0027455	0.0000090	0.0036604	0.0024403
2.0000000	0.0048807	0.0000159	0.0048801	0.0024401
3.0000000	0.0109804	0.0000357	0.0073182	0.0024394
4.0000000	0.0195171	0.0000631	0.0097539	0.0024385
6.0000000	0.0438937	0.0001404	0.0146152	0.0024360
8.0000000	0.0779778	0.0002451	0.0194587	0.0024325
9.0000000	0.0986448	0.0003064	0.0218725	0.0024305
9.5000000	0.1098825	0.0003392	0.0230772	0.0024294
10.0000000	0.1217220	0.0003733	0.0242802	0.0024283
10.5000000	0.1341627	0.0004086	0.0254816	0.0024271
10.8000000	0.1419152	0.0004304	0.0262017	0.0024264
11.0000000	0.1472035	0.0004452	0.0266814	0.0024259
13.0000000	0.2053617	0.0006025	0.0314620	0.0024206
14.0000000	0.2380152	0.0006865	0.0338410	0.0024177
14.2500000	0.2465496	0.0007078	0.0344346	0.0024170
14.5000000	0.2552324	0.0007296	0.0350277	0.0024162
14.5999999	0.2587471	0.0007381	0.0352648	0.0024159
14.6999999	0.2622854	0.0007468	0.0355020	0.0024156
14.8000000	0.2658475	0.0007555	0.0357391	0.0024153
14.8879999	0.2690017	0.0007632	0.0359477	0.0024151
15.0000000	0.2730427	0.0007730	0.0362130	0.0024147
15.1999999	0.2803326	0.0007905	0.0366863	0.0024141
15.4000000	0.2877172	0.0008083	0.0371594	0.0024135
15.5999999	0.2951964	0.0008260	0.0376321	0.0024129
15.8000000	0.3027701	0.0008439	0.0381045	0.0024123
16.0000000	0.3104382	0.0008618	0.0385766	0.0024116
16.2500000	0.3201561	0.0008843	0.0391661	0.0024108
16.5000000	0.3300213	0.0009068	0.0397552	0.0024100
16.7500000	0.3400336	0.0009295	0.0403437	0.0024092
17.0000000	0.3501931	0.0009522	0.0409317	0.0024084
17.2500000	0.3604995	0.0009751	0.0415192	0.0024076
17.5000000	0.3709527	0.0009979	0.0421062	0.0024067
17.7500000	0.3815526	0.0010208	0.0426926	0.0024059
18.0000000	0.3922990	0.0010438	0.0432786	0.0024051
18.5000000	0.4142311	0.0010898	0.0444489	0.0024034
19.0000000	0.4367479	0.0011359	0.0456172	0.0024016
19.5000000	0.4598484	0.0011820	0.0467835	0.0023999
20.0000000	0.4835314	0.0012281	0.0479477	0.0023982
21.0000000	0.5326423	0.0013198	0.0502700	0.0023946
23.0000000	0.6378189	0.0015003	0.0548911	0.0023875
25.0000000	0.7522068	0.0016734	0.0594822	0.0023802
30.0000000	1.0782215	0.0020609	0.0708464	0.0023625
40.0000000	1.8995539	0.0025510	0.0932488	0.0023321
60.0000000	4.2091506	0.0023665	0.1377429	0.0022961
80.0000000	7.4092710	0.0013953	0.1824987	0.0022813
100.0000000	11.5091000	0.	0.2274842	0.0022748

80.0000000	7.4092710	0.0013953	0.1824987	0.0022813
100.0000000	11.5091000	0.	0.2274842	0.0022748

X= 60.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000777	0.0000004	0.0006217	0.0024869
0.5000000	0.0003109	0.0000014	0.0012434	0.0024869
1.0000000	0.0012434	0.0000056	0.0024867	0.0024867
1.5000000	0.0027976	0.0000126	0.0037297	0.0024865
2.0000000	0.0049731	0.0000224	0.0049722	0.0024861
3.0000000	0.0111876	0.0000502	0.0074553	0.0024852
4.0000000	0.0198838	0.0000887	0.0099349	0.0024838
6.0000000	0.0447088	0.0001970	0.0148787	0.0024800
8.0000000	0.0793986	0.0003428	0.0197960	0.0024749
9.0000000	0.1004201	0.0004277	0.0222427	0.0024719
9.5000000	0.1118467	0.0004730	0.0234627	0.0024703
10.0000000	0.1238827	0.0005200	0.0246803	0.0024686
10.5000000	0.1365270	0.0005686	0.0258956	0.0024668
10.8000000	0.1444050	0.0005984	0.0266235	0.0024658
11.0000000	0.1497782	0.0006187	0.0271083	0.0024650
13.0000000	0.2088406	0.0008334	0.0319325	0.0024572
14.0000000	0.2419738	0.0009466	0.0343283	0.0024529
14.2500000	0.2506306	0.0009754	0.0349255	0.0024519
14.5000000	0.2594366	0.0010044	0.0355220	0.0024508
14.5999999	0.2630007	0.0010160	0.0357604	0.0024503
14.6999999	0.2665887	0.0010277	0.0359988	0.0024499
14.8000000	0.2702005	0.0010394	0.0362371	0.0024495
14.8879999	0.2733986	0.0010497	0.0364468	0.0024491
15.0000000	0.2774955	0.0010628	0.0367134	0.0024486
15.1999999	0.2848858	0.0010863	0.0371890	0.0024477
15.4000000	0.2923711	0.0011099	0.0376641	0.0024468
15.5999999	0.2999514	0.0011336	0.0381388	0.0024459
15.8000000	0.3076266	0.0011573	0.0386130	0.0024450
16.0000000	0.3153966	0.0011811	0.0390867	0.0024440
16.2500000	0.3252423	0.0012110	0.0396782	0.0024429
16.5000000	0.3352357	0.0012409	0.0402689	0.0024417
16.7500000	0.3453768	0.0012708	0.0408589	0.0024405
17.0000000	0.3556652	0.0013008	0.0414482	0.0024393
17.2500000	0.3661009	0.0013308	0.0420368	0.0024381
17.5000000	0.3766836	0.0013608	0.0426246	0.0024369
17.7500000	0.3874132	0.0013909	0.0432118	0.0024357
18.0000000	0.3982895	0.0014209	0.0437982	0.0024345
18.5000000	0.4204816	0.0014809	0.0449689	0.0024321
19.0000000	0.4432584	0.0015408	0.0461367	0.0024296
19.5000000	0.4666183	0.0016003	0.0473017	0.0024271
20.0000000	0.4905601	0.0016595	0.0484640	0.0024246
21.0000000	0.5401850	0.0017766	0.0507803	0.0024196
23.0000000	0.6463674	0.0020034	0.0553816	0.0024095
25.0000000	0.7617116	0.0022159	0.0599439	0.0023994
30.0000000	1.0898284	0.0026689	0.0712100	0.0023753
40.0000000	1.9136605	0.0031539	0.0933920	0.0023361
60.0000000	4.2218509	0.0027311	0.1375747	0.0022934
80.0000000	7.4166473	0.0015581	0.1821812	0.0022773
100.0000000	11.5091000	0.	0.2270640	0.0022706

X= 65.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000798	0.0000005	0.0006382	0.0025528
0.5000000	0.0003191	0.0000020	0.0012764	0.0025527
1.0000000	0.0012764	0.0000081	0.0025525	0.0025525
1.5000000	0.0028716	0.0000182	0.0038281	0.0025521
2.0000000	0.0051045	0.0000323	0.0051031	0.0025516
3.0000000	0.0114821	0.0000724	0.0076499	0.0025501
4.0000000	0.0204043	0.0001280	0.0101913	0.0025480
6.0000000	0.0458635	0.0002835	0.0152503	0.0025421
8.0000000	0.0814053	0.0004918	0.0202683	0.0025343
9.0000000	0.1029223	0.0006124	0.0227590	0.0025297
9.5000000	0.1146123	0.0006763	0.0239992	0.0025272
10.0000000	0.1269216	0.0007425	0.0252359	0.0025247
10.5000000	0.1398482	0.0008108	0.0264689	0.0025220
10.8000000	0.1478997	0.0008528	0.0272069	0.0025204
11.0000000	0.1533902	0.0008811	0.0276981	0.0025193
13.0000000	0.2136956	0.0011799	0.0325749	0.0025074
14.0000000	0.2474816	0.0013355	0.0349888	0.0025010
14.2500000	0.2563040	0.0013750	0.0355897	0.0024994
14.5000000	0.2652765	0.0014145	0.0361897	0.0024977
14.5999999	0.2689074	0.0014304	0.0364294	0.0024971
14.6999999	0.2725623	0.0014463	0.0366690	0.0024964
14.8000000	0.2762412	0.0014622	0.0369085	0.0024958
14.8879999	0.2794984	0.0014762	0.0371191	0.0024952
15.0000000	0.2836708	0.0014940	0.0373869	0.0024944
15.1999999	0.2911959	0.0015259	0.0378644	0.0024931
15.4000000	0.2988165	0.0015578	0.0383413	0.0024917
15.5999999	0.3065325	0.0015898	0.0388175	0.0024904
15.8000000	0.3143435	0.0016218	0.0392930	0.0024890
16.0000000	0.3222497	0.0016539	0.0397678	0.0024876
16.2500000	0.3322657	0.0016939	0.0403604	0.0024859
16.5000000	0.3424298	0.0017340	0.0409519	0.0024842
16.7500000	0.3527417	0.0017740	0.0415424	0.0024824
17.0000000	0.3632011	0.0018139	0.0421319	0.0024806
17.2500000	0.3738076	0.0018538	0.0427203	0.0024789
17.5000000	0.3845612	0.0018936	0.0433077	0.0024771
17.7500000	0.3954615	0.0019333	0.0438941	0.0024753
18.0000000	0.4065083	0.0019729	0.0444795	0.0024735
18.5000000	0.4290405	0.0020516	0.0456473	0.0024699
19.0000000	0.4521556	0.0021297	0.0468111	0.0024663
19.5000000	0.4758516	0.0022068	0.0479710	0.0024627
20.0000000	0.5001266	0.0022831	0.0491272	0.0024590
21.0000000	0.5504080	0.0024323	0.0514284	0.0024517
23.0000000	0.6578526	0.0027152	0.0559894	0.0024372
25.0000000	0.7743655	0.0029717	0.0605000	0.0024229
30.0000000	1.1049108	0.0034811	0.0716121	0.0023899
40.0000000	1.9310931	0.0038887	0.0935016	0.0023396
60.0000000	4.2364612	0.0031259	0.1373440	0.0022897
80.0000000	7.4248518	0.0017236	0.1818160	0.0022728
100.0000000	11.5091000	0.	0.2266088	0.0022661

X= 70.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000828	0.0000008	0.0006623	0.0026491
0.5000000	0.0003311	0.0000030	0.0013245	0.0026490
1.0000000	0.0013245	0.0000120	0.0026485	0.0026486
1.5000000	0.0029797	0.0000271	0.0039719	0.0026480
2.0000000	0.0052963	0.0000480	0.0052941	0.0026472
3.0000000	0.0119120	0.0001076	0.0079336	0.0026448
4.0000000	0.0211636	0.0001900	0.0105645	0.0026416
6.0000000	0.0475444	0.0004201	0.0157882	0.0026323
8.0000000	0.0843164	0.0007260	0.0209468	0.0026199
9.0000000	0.1065437	0.0009018	0.0234971	0.0026127
9.5000000	0.1186097	0.0009947	0.0247643	0.0026089
10.0000000	0.1313080	0.0010905	0.0260258	0.0026049
10.5000000	0.1446355	0.0011891	0.0272815	0.0026007
10.8000000	0.1529327	0.0012494	0.0280322	0.0025981
11.0000000	0.1585891	0.0012900	0.0285314	0.0025964
13.0000000	0.2206392	0.0017155	0.0334689	0.0025779
14.0000000	0.2553300	0.0019341	0.0359001	0.0025680
14.2500000	0.2643806	0.0019889	0.0365039	0.0025655
14.5000000	0.2735820	0.0020439	0.0371063	0.0025629
14.5999999	0.2773046	0.0020659	0.0373469	0.0025619
14.6999999	0.2810514	0.0020878	0.0375873	0.0025609
14.8000000	0.2848221	0.0021098	0.0378274	0.0025599
14.8879999	0.2881602	0.0021292	0.0380386	0.0025590
15.0000000	0.2924356	0.0021538	0.0383069	0.0025578
15.1999999	0.3001648	0.0021977	0.0387852	0.0025558
15.4000000	0.3079497	0.0022416	0.0392625	0.0025537
15.5999999	0.3158498	0.0022854	0.0397388	0.0025516
15.8000000	0.3238452	0.0023292	0.0402141	0.0025495
16.0000000	0.3319355	0.0023729	0.0406884	0.0025473
16.2500000	0.3421816	0.0024273	0.0412799	0.0025447
16.5000000	0.3525755	0.0024815	0.0418699	0.0025420
16.7500000	0.3631166	0.0025355	0.0424583	0.0025393
17.0000000	0.3738046	0.0025892	0.0430452	0.0025366
17.2500000	0.3846392	0.0026425	0.0436307	0.0025339
17.5000000	0.3956199	0.0026957	0.0442147	0.0025312
17.7500000	0.4067465	0.0027485	0.0447973	0.0025285
18.0000000	0.4180186	0.0028009	0.0453784	0.0025258
18.5000000	0.4409980	0.0029045	0.0465364	0.0025204
19.0000000	0.4645550	0.0030063	0.0476889	0.0025149
19.5000000	0.4886868	0.0031061	0.0488359	0.0025095
20.0000000	0.5133909	0.0032038	0.0499778	0.0025040
21.0000000	0.5645080	0.0033922	0.0522466	0.0024932
23.0000000	0.6735194	0.0037382	0.0567303	0.0024719
25.0000000	0.7914291	0.0040370	0.0611512	0.0024514
30.0000000	1.1246396	0.0045650	0.0720250	0.0024056
40.0000000	1.9525474	0.0047640	0.0935365	0.0023414
60.0000000	4.2531095	0.0035381	0.1370334	0.0022846
80.0000000	7.4338830	0.0018847	0.1813998	0.0022676
100.0000000	11.5091000	0.	0.2261219	0.0022612

X= 75.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000873	0.0000011	0.0006985	0.0027939
0.5000000	0.0003492	0.0000045	0.0013969	0.0027938
1.0000000	0.0013968	0.0000184	0.0027931	0.0027931
1.5000000	0.0031423	0.0000414	0.0041881	0.0027922
2.0000000	0.0055849	0.0000735	0.0055813	0.0027909
3.0000000	0.0125584	0.0001645	0.0083597	0.0027871
4.0000000	0.0223043	0.0002903	0.0111240	0.0027819
6.0000000	0.0500646	0.0006411	0.0165903	0.0027671
8.0000000	0.0886656	0.0011050	0.0219502	0.0027473
9.0000000	0.1119407	0.0013696	0.0245827	0.0027356
9.5000000	0.1245590	0.0015087	0.0258859	0.0027295
10.0000000	0.1378266	0.0016518	0.0271799	0.0027230
10.5000000	0.1517389	0.0017985	0.0284646	0.0027163
10.8000000	0.1603935	0.0018879	0.0292308	0.0027122
11.0000000	0.1662906	0.0019480	0.0297397	0.0027094
13.0000000	0.2308510	0.0025714	0.0347410	0.0026797
14.0000000	0.2668223	0.0028854	0.0371819	0.0026638
14.2500000	0.2761935	0.0029636	0.0377860	0.0026598
14.5000000	0.2857153	0.0030414	0.0383876	0.0026557
14.5999999	0.2895661	0.0030725	0.0386277	0.0026541
14.6999999	0.2934408	0.0031035	0.0388674	0.0026525
14.8000000	0.2973396	0.0031345	0.0391067	0.0026508
14.8879999	0.3007902	0.0031618	0.0393170	0.0026494
15.0000000	0.3052087	0.0031963	0.0395842	0.0026475
15.1999999	0.3131732	0.0032579	0.0400600	0.0026442
15.4000000	0.3212327	0.0033191	0.0405343	0.0026409
15.5999999	0.3293869	0.0033801	0.0410070	0.0026376
15.8000000	0.3376355	0.0034407	0.0414783	0.0026342
16.0000000	0.3459782	0.0035010	0.0419481	0.0026309
16.2500000	0.3565385	0.0035758	0.0425332	0.0026267
16.5000000	0.3672448	0.0036499	0.0431160	0.0026224
16.7500000	0.3780965	0.0037233	0.0436966	0.0026182
17.0000000	0.3890931	0.0037960	0.0442750	0.0026140
17.2500000	0.4002340	0.0038679	0.0448512	0.0026097
17.5000000	0.4115187	0.0039390	0.0454253	0.0026055
17.7500000	0.4229467	0.0040092	0.0459973	0.0026012
18.0000000	0.4345174	0.0040785	0.0465673	0.0025970
18.5000000	0.4580855	0.0042143	0.0477012	0.0025885
19.0000000	0.4822195	0.0043459	0.0488273	0.0025800
19.5000000	0.5069127	0.0044733	0.0499460	0.0025716
20.0000000	0.5321645	0.0045962	0.0510576	0.0025632
21.0000000	0.5843303	0.0048278	0.0532612	0.0025466
23.0000000	0.6952346	0.0052314	0.0576012	0.0025147
25.0000000	0.8147352	0.0055519	0.0618688	0.0024847
30.0000000	1.1505604	0.0059986	0.0723825	0.0024210
40.0000000	1.9787333	0.0057702	0.0934300	0.0023402
60.0000000	4.2718419	0.0039470	0.1366241	0.0022780
80.0000000	7.4436989	0.0020327	0.1809314	0.0022618
100.0000000	11.5091000	0.	0.2256086	0.0022561

X= 80.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000943	0.0000018	0.0007545	0.0030179
0.5000000	0.0003772	0.0000072	0.0015068	0.0030176
1.0000000	0.0015087	0.0000287	0.0030165	0.0030167
1.5000000	0.0033938	0.0000646	0.0045223	0.0030152
2.0000000	0.0060311	0.0001146	0.0060252	0.0030132
3.0000000	0.0135575	0.0002569	0.0090180	0.0030072
4.0000000	0.0240672	0.0004538	0.0119879	0.0029991
6.0000000	0.0539559	0.0010040	0.0178249	0.0029755
8.0000000	0.0953668	0.0017324	0.0234841	0.0029435
9.0000000	0.1202402	0.0021462	0.0262336	0.0029246
9.5000000	0.1336970	0.0023630	0.0275861	0.0029144
10.0000000	0.1478263	0.0025853	0.0289230	0.0029038
10.5000000	0.1626201	0.0028123	0.0302441	0.0028928
10.8000000	0.1718115	0.0029502	0.0310289	0.0028860
11.0000000	0.1780694	0.0030428	0.0315489	0.0028814
13.0000000	0.2463538	0.0039918	0.0366012	0.0028322
14.0000000	0.2841844	0.0044574	0.0390275	0.0028058
14.2500000	0.2940161	0.0045717	0.0396240	0.0027991
14.5000000	0.3039964	0.0046850	0.0402165	0.0027923
14.5999999	0.3080299	0.0047301	0.0404525	0.0027896
14.6999999	0.3120869	0.0047749	0.0406879	0.0027869
14.8000000	0.3161675	0.0048196	0.0409226	0.0027841
14.8879999	0.3197777	0.0048588	0.0411287	0.0027817
15.0000000	0.3243988	0.0049084	0.0413903	0.0027787
15.1999999	0.3327235	0.0049963	0.0418554	0.0027732
15.4000000	0.3411410	0.0050834	0.0423181	0.0027677
15.5999999	0.3496507	0.0051696	0.0427784	0.0027622
15.8000000	0.3582523	0.0052549	0.0432364	0.0027566
16.0000000	0.3669453	0.0053391	0.0436921	0.0027511
16.2500000	0.3779393	0.0054429	0.0442585	0.0027441
16.5000000	0.3890745	0.0055450	0.0448214	0.0027372
16.7500000	0.4003500	0.0056453	0.0453810	0.0027302
17.0000000	0.4117650	0.0057437	0.0459373	0.0027232
17.2500000	0.4233187	0.0058402	0.0464904	0.0027163
17.5000000	0.4350102	0.0059347	0.0470403	0.0027093
17.7500000	0.4468388	0.0060271	0.0475872	0.0027024
18.0000000	0.4588038	0.0061174	0.0481312	0.0026955
18.5000000	0.4831407	0.0062917	0.0492107	0.0026817
19.0000000	0.5080145	0.0064569	0.0502794	0.0026680
19.5000000	0.5334201	0.0066130	0.0513383	0.0026545
20.0000000	0.5593528	0.0067597	0.0523880	0.0026411
21.0000000	0.6127861	0.0070246	0.0544633	0.0026150
23.0000000	0.7258330	0.0074403	0.0585404	0.0025657
25.0000000	0.8469479	0.0077133	0.0625512	0.0025210
30.0000000	1.1846259	0.0078495	0.0725445	0.0024323
40.0000000	2.0102493	0.0068617	0.0930804	0.0023333
60.0000000	4.2925796	0.0043227	0.1360990	0.0022695
80.0000000	7.4542096	0.0021572	0.1804130	0.0022553
100.0000000	11.5091000	0.	0.2250760	0.0022508

X= 82.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0000993	0.0000022	0.0007944	0.0031775
0.5000000	0.0003972	0.0000089	0.0015886	0.0031772
1.0000000	0.0015885	0.0000357	0.0031759	0.0031761
1.5000000	0.0035731	0.0000804	0.0047609	0.0031743
2.0000000	0.0063494	0.0001427	0.0063423	0.0031720
3.0000000	0.0142711	0.0003203	0.0094893	0.0031649
4.0000000	0.0253281	0.0005669	0.0126080	0.0031552
6.0000000	0.0567480	0.0012595	0.0187149	0.0031262
8.0000000	0.1001879	0.0021826	0.0245905	0.0030859
9.0000000	0.1262137	0.0027078	0.0274218	0.0030617
9.5000000	0.1402736	0.0029827	0.0288076	0.0030486
10.0000000	0.1550213	0.0032645	0.0301722	0.0030348
10.5000000	0.1704459	0.0035518	0.0315153	0.0030205
10.8000000	0.1800204	0.0037262	0.0323106	0.0030115
11.0000000	0.1865352	0.0038431	0.0328364	0.0030055
13.0000000	0.2574475	0.0050347	0.0378932	0.0029405
14.0000000	0.2965593	0.0056098	0.0402867	0.0029054
14.2500000	0.3067044	0.0057497	0.0408715	0.0028964
14.5000000	0.3169950	0.0058880	0.0414512	0.0028874
14.5999999	0.3211517	0.0059427	0.0416817	0.0028838
14.6999999	0.3253314	0.0059972	0.0419114	0.0028802
14.8000000	0.3295340	0.0060514	0.0421403	0.0028765
14.8879999	0.3332512	0.0060988	0.0423411	0.0028733
15.0000000	0.3380077	0.0061587	0.0425957	0.0028692
15.1999999	0.3465722	0.0062647	0.0430478	0.0028619
15.4000000	0.3552268	0.0063692	0.0434967	0.0028546
15.5999999	0.3639709	0.0064723	0.0439426	0.0028472
15.8000000	0.3728039	0.0065738	0.0443855	0.0028398
16.0000000	0.3817251	0.0066736	0.0448254	0.0028325
16.2500000	0.3930000	0.0067961	0.0453713	0.0028232
16.5000000	0.4044108	0.0069158	0.0459129	0.0028140
16.7500000	0.4159564	0.0070327	0.0464503	0.0028047
17.0000000	0.4276359	0.0071466	0.0469836	0.0027955
17.2500000	0.4394482	0.0072576	0.0475130	0.0027863
17.5000000	0.4513924	0.0073656	0.0480386	0.0027771
17.7500000	0.4634675	0.0074703	0.0485606	0.0027680
18.0000000	0.4756726	0.0075720	0.0490791	0.0027589
18.5000000	0.5004706	0.0077655	0.0501063	0.0027408
19.0000000	0.5257789	0.0079458	0.0511214	0.0027229
19.5000000	0.5515920	0.0081126	0.0521256	0.0027053
20.0000000	0.5779045	0.0082661	0.0531201	0.0026880
21.0000000	0.6320145	0.0085327	0.0550850	0.0026544
23.0000000	0.7460845	0.0089092	0.0589512	0.0025922
25.0000000	0.8678195	0.0091025	0.0627754	0.0025373
30.0000000	1.2055454	0.0089348	0.0724487	0.0024332
40.0000000	2.0281018	0.0074132	0.0927621	0.0023264
60.0000000	4.3036054	0.0044876	0.1357892	0.0022644
80.0000000	7.4596716	0.0022077	0.1801374	0.0022519
100.0000000	11.5091000	0.	0.2248055	0.0022480

X= 85.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0001055	0.0000027	0.0008438	0.0033754
0.5000000	0.0004219	0.0000109	0.0016875	0.0033751
1.0000000	0.0016875	0.0000437	0.0033737	0.0033739
1.5000000	0.0037956	0.0000984	0.0050572	0.0033721
2.0000000	0.0067447	0.0001751	0.0067369	0.0033696
3.0000000	0.0151591	0.0003944	0.0100784	0.0033620
4.0000000	0.0269015	0.0007016	0.0133870	0.0033513
6.0000000	0.0602534	0.0015757	0.0198445	0.0033178
8.0000000	0.1062796	0.0027610	0.0260041	0.0032688
9.0000000	0.1337792	0.0034405	0.0289418	0.0032384
9.5000000	0.1486107	0.0037967	0.0303698	0.0032217
10.0000000	0.1641490	0.0041619	0.0317686	0.0032040
10.5000000	0.1803793	0.0045341	0.0331376	0.0031854
10.8000000	0.1904424	0.0047597	0.0339442	0.0031737
11.0000000	0.1972647	0.0049108	0.0344758	0.0031658
13.0000000	0.2715271	0.0064434	0.0395113	0.0030795
14.0000000	0.3122335	0.0071678	0.0418415	0.0030322
14.2500000	0.3227649	0.0073419	0.0424056	0.0030201
14.5000000	0.3334363	0.0075130	0.0429626	0.0030079
14.5999999	0.3377436	0.0075805	0.0431835	0.0030030
14.6999999	0.3420730	0.0076475	0.0434034	0.0029981
14.8000000	0.3464243	0.0077139	0.0436223	0.0029932
14.8879999	0.3502715	0.0077719	0.0438141	0.0029889
15.0000000	0.3551923	0.0078451	0.0440568	0.0029833
15.1999999	0.3640469	0.0079740	0.0444869	0.0029734
15.4000000	0.3729871	0.0081004	0.0449129	0.0029635
15.5999999	0.3820121	0.0082243	0.0453349	0.0029535
15.8000000	0.3911211	0.0083456	0.0457530	0.0029435
16.0000000	0.4003133	0.0084642	0.0461674	0.0029335
16.2500000	0.4119196	0.0086085	0.0466802	0.0029211
16.5000000	0.4236534	0.0087484	0.0471876	0.0029086
16.7500000	0.4355134	0.0088837	0.0476898	0.0028961
17.0000000	0.4474983	0.0090143	0.0481870	0.0028837
17.2500000	0.4596069	0.0091402	0.0486795	0.0028713
17.5000000	0.4718380	0.0092612	0.0491674	0.0028590
17.7500000	0.4841906	0.0093774	0.0496512	0.0028467
18.0000000	0.4966636	0.0094886	0.0501309	0.0028345
18.5000000	0.5219680	0.0096961	0.0510797	0.0028104
19.0000000	0.5477433	0.0098837	0.0520153	0.0027866
19.5000000	0.5739834	0.0100515	0.0529399	0.0027634
20.0000000	0.6006832	0.0101997	0.0538552	0.0027406
21.0000000	0.6554495	0.0104389	0.0556658	0.0026970
23.0000000	0.7703789	0.0107029	0.0592527	0.0026179
25.0000000	0.8924605	0.0107392	0.0628485	0.0025504
30.0000000	1.2292998	0.0101035	0.0721791	0.0024294
40.0000000	2.0473152	0.0079387	0.0923294	0.0023168
60.0000000	4.3150175	0.0046288	0.1354483	0.0022588
80.0000000	7.4652482	0.0022483	0.1798521	0.0022483
100.0000000	11.5091009	0.	0.2245331	0.0022453

X= 87.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	0.0000000	0.
0.2500000	0.0001130	0.0000032	0.0009037	0.0036146
0.5000000	0.0004518	0.0000127	0.0018072	0.0036145
1.0000000	0.0018071	0.0000509	0.0036134	0.0036137
1.5000000	0.0040652	0.0001149	0.0054177	0.0036126
2.0000000	0.0072248	0.0002054	0.0072189	0.0036109
3.0000000	0.0162431	0.0004675	0.0108056	0.0036052
4.0000000	0.0288361	0.0008428	0.0143604	0.0035963
6.0000000	0.0646267	0.0019422	0.0212892	0.0035629
8.0000000	0.1139929	0.0034858	0.0278431	0.0035076
9.0000000	0.1434160	0.0043855	0.0309290	0.0034709
9.5000000	0.1592570	0.0048596	0.0324148	0.0034502
10.0000000	0.1758308	0.0053466	0.0338593	0.0034279
10.5000000	0.1931163	0.0058434	0.0352609	0.0034040
10.8000000	0.2038188	0.0061445	0.0360807	0.0033889
11.0000000	0.2110890	0.0063460	0.0366182	0.0033785
13.0000000	0.2896646	0.0083821	0.0415849	0.0032632
14.0000000	0.3323981	0.0093182	0.0437968	0.0031984
14.2500000	0.3434137	0.0095394	0.0443235	0.0031816
14.5000000	0.3545598	0.0097551	0.0448404	0.0031648
14.5999999	0.3590541	0.0098398	0.0450445	0.0031580
14.6999999	0.3635687	0.0099235	0.0452472	0.0031512
14.8000000	0.3681035	0.0100062	0.0454485	0.0031444
14.8879999	0.3721108	0.0100782	0.0456244	0.0031384
15.0000000	0.3772332	0.0101686	0.0458466	0.0031307
15.1999999	0.3864421	0.0103270	0.0462389	0.0031170
15.4000000	0.3957288	0.0104810	0.0466257	0.0031032
15.5999999	0.4050924	0.0106306	0.0470073	0.0030894
15.8000000	0.4145317	0.0107757	0.0473838	0.0030755
16.0000000	0.4240459	0.0109162	0.0477554	0.0030617
16.2500000	0.4360424	0.0110952	0.0482135	0.0030444
16.5000000	0.4481526	0.0112466	0.0486648	0.0030271
16.7500000	0.4603748	0.0114004	0.0491097	0.0030099
17.0000000	0.4727074	0.0115465	0.0495486	0.0029927
17.2500000	0.4851491	0.0116848	0.0499821	0.0029756
17.5000000	0.4976985	0.0118152	0.0504105	0.0029587
17.7500000	0.5103543	0.0119378	0.0508342	0.0029418
18.0000000	0.5231156	0.0120526	0.0512538	0.0029251
18.5000000	0.5489513	0.0122588	0.0520821	0.0028922
19.0000000	0.5751977	0.0124344	0.0528983	0.0028600
19.5000000	0.6018496	0.0125804	0.0537056	0.0028287
20.0000000	0.6289033	0.0126979	0.0545067	0.0027983
21.0000000	0.6842088	0.0128517	0.0561021	0.0027407
23.0000000	0.7995992	0.0128731	0.0593266	0.0026394
25.0000000	0.9215154	0.0126294	0.0626585	0.0025567
30.0000000	1.2560634	0.0113142	0.0716641	0.0024184
40.0000000	2.0677954	0.0084119	0.0917647	0.0023037
60.0000000	4.3267493	0.0047406	0.1350779	0.0022527
80.0000000	7.4709130	0.0022778	0.1795588	0.0022447
100.0000000	11.5091000	0.	0.2242599	0.0022426

X= 90.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	-0.0000001	0.
0.2500000	0.0001213	0.0000031	0.0009708	0.0038832
0.5000000	0.0004854	0.0000123	0.0019418	0.0038836
1.0000000	0.0019418	0.0000499	0.0038849	0.0038852
1.5000000	0.0043702	0.0001148	0.0058300	0.0038874
2.0000000	0.0077718	0.0002097	0.0077770	0.0038899
3.0000000	0.0174967	0.0004971	0.0116720	0.0038942
4.0000000	0.0311157	0.0009347	0.0155542	0.0038956
6.0000000	0.0699646	0.0023029	0.0231482	0.0038771
8.0000000	0.1237087	0.0043472	0.0302895	0.0038250
9.0000000	0.1557069	0.0055751	0.0336015	0.0037845
9.5000000	0.1729085	0.0062285	0.0351753	0.0037603
10.0000000	0.1908822	0.0069033	0.0366880	0.0037332
10.5000000	0.2095966	0.0075940	0.0381363	0.0037033
10.8000000	0.2211648	0.0080130	0.0389732	0.0036841
11.0000000	0.2290145	0.0082934	0.0395176	0.0036708
13.0000000	0.3134374	0.0111252	0.0443285	0.0035156
14.0000000	0.3588244	0.0123804	0.0463173	0.0034245
14.2500000	0.3704619	0.0126698	0.0467752	0.0034007
14.5000000	0.3822120	0.0129487	0.0472188	0.0033767
14.5999999	0.3869426	0.0130572	0.0473924	0.0033670
14.6999999	0.3916905	0.0131639	0.0475639	0.0033573
14.8000000	0.3964554	0.0132688	0.0477334	0.0033475
14.8879999	0.4006625	0.0133596	0.0478808	0.0033389
15.0000000	0.4060356	0.0134729	0.0480663	0.0033279
15.1999999	0.4156817	0.0136694	0.0483912	0.0033082
15.4000000	0.4253920	0.0138580	0.0487086	0.0032884
15.5999999	0.4351651	0.0140385	0.0490190	0.0032686
15.8000000	0.4449997	0.0142109	0.0493228	0.0032487
16.0000000	0.4548943	0.0143749	0.0496204	0.0032288
16.2500000	0.4673454	0.0145681	0.0499844	0.0032039
16.5000000	0.4798865	0.0147480	0.0503402	0.0031791
16.7500000	0.4925155	0.0149145	0.0506886	0.0031545
17.0000000	0.5052308	0.0150679	0.0510306	0.0031299
17.2500000	0.5180303	0.0152078	0.0513667	0.0031055
17.5000000	0.5309142	0.0153347	0.0516980	0.0030814
17.7500000	0.5438798	0.0154486	0.0520251	0.0030575
18.0000000	0.5569267	0.0155497	0.0523487	0.0030338
18.5000000	0.5832621	0.0157146	0.0529888	0.0029876
19.0000000	0.6099155	0.0158322	0.0536234	0.0029427
19.5000000	0.6368855	0.0159056	0.0542574	0.0028995
20.0000000	0.6641729	0.0159383	0.0548949	0.0028581
21.0000000	0.7197080	0.0158921	0.0561962	0.0027810
23.0000000	0.8347445	0.0154426	0.0589748	0.0026506
25.0000000	0.9556073	0.0147310	0.0620375	0.0025505
30.0000000	1.2858708	0.0124908	0.0708186	0.0023971
40.0000000	2.0893746	0.0088008	0.0910560	0.0022870
60.0000000	4.3387205	0.0048176	0.1346816	0.0022461
80.0000000	7.4766369	0.0022951	0.1792595	0.0022409
100.0000000	11.5091000	0.	0.2239868	0.0022399

X= 92.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	-0.0000006	0.
0.2500000	0.0001283	-0.0000002	0.0010271	0.0041084
0.5000000	0.0005136	0.0000001	0.0020561	0.0041122
1.0000000	0.0020568	0.0000060	0.0041259	0.0041259
1.5000000	0.0046394	0.0000330	0.0062163	0.0041443
2.0000000	0.0082731	0.0000934	0.0083300	0.0041653
3.0000000	0.0187285	0.0003429	0.0126183	0.0042077
4.0000000	0.0335098	0.0008122	0.0169595	0.0042447
6.0000000	0.0761412	0.0024957	0.0255548	0.0042794
8.0000000	0.1357290	0.0052572	0.0336396	0.0042560
9.0000000	0.1712914	0.0069955	0.0373317	0.0042202
9.5000000	0.1903996	0.0079359	0.0390561	0.0041952
10.0000000	0.2103475	0.0089185	0.0406865	0.0041652
10.5000000	0.2310861	0.0099310	0.0422153	0.0041303
10.8000000	0.2438836	0.0105481	0.0430812	0.0041068
11.0000000	0.2525562	0.0109619	0.0436364	0.0040902
13.0000000	0.3452906	0.0151671	0.0481288	0.0038817
14.0000000	0.3943002	0.0169454	0.0496819	0.0037494
14.2500000	0.4067627	0.0173403	0.0500067	0.0037142
14.5000000	0.4193035	0.0177140	0.0503093	0.0036784
14.5999999	0.4243403	0.0178572	0.0504245	0.0036639
14.6999999	0.4293884	0.0179969	0.0505366	0.0036493
14.8000000	0.4344476	0.0181328	0.0506455	0.0036347
14.8879999	0.4389086	0.0182493	0.0507390	0.0036218
15.0000000	0.4445980	0.0183934	0.0508547	0.0036052
15.1999999	0.4547892	0.0186388	0.0510526	0.0035756
15.4000000	0.4650190	0.0188684	0.0512402	0.0035457
15.5999999	0.4752853	0.0190823	0.0514184	0.0035157
15.8000000	0.4855864	0.0192801	0.0515883	0.0034856
16.0000000	0.4959206	0.0194619	0.0517505	0.0034556
16.2500000	0.5088831	0.0196664	0.0519444	0.0034180
16.5000000	0.5218928	0.0198450	0.0521295	0.0033806
16.7500000	0.5349479	0.0200009	0.0523078	0.0033434
17.0000000	0.5480467	0.0201316	0.0524809	0.0033064
17.2500000	0.5611883	0.0202385	0.0526504	0.0032699
17.5000000	0.5743719	0.0203228	0.0528178	0.0032339
17.7500000	0.5875972	0.0203850	0.0529846	0.0031983
18.0000000	0.6008642	0.0204260	0.0531520	0.0031634
18.5000000	0.6275243	0.0204477	0.0534944	0.0030956
19.0000000	0.6543587	0.0203973	0.0538534	0.0030309
19.5000000	0.6813777	0.0202840	0.0542360	0.0029695
20.0000000	0.7085947	0.0201165	0.0546475	0.0029116
21.0000000	0.763669	0.0196452	0.0555735	0.0028068
23.0000000	0.876812	0.0183425	0.0578753	0.0026397
25.0000000	0.995170	0.0169019	0.0607478	0.0025222
30.0000000	1.31851	0.0135137	0.0695556	0.0023619
40.0000000	2.1117993	0.0090701	0.0902028	0.0022664
60.0000000	4.3508372	0.0048548	0.1342647	0.0022392
80.0000000	7.4823884	0.0022995	0.1789566	0.0022371
100.0000000	11.5091000	0.	0.2237146	0.0022371

X= 93.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	-0.0000027	0.
0.2500000	0.0001270	-0.0000067	0.0010183	0.0040733
0.5000000	0.0005092	-0.0000219	0.0020442	0.0040887
1.0000000	0.0020467	-0.0000599	0.0041334	0.0041338
1.5000000	0.0046425	-0.0000751	0.0062769	0.0041849
2.0000000	0.0083236	-0.0000488	0.0084708	0.0042354
3.0000000	0.0190115	0.0001624	0.0129701	0.0043237
4.0000000	0.0342638	0.0006365	0.0175654	0.0043942
6.0000000	0.0786469	0.0024659	0.0267255	0.0044732
8.0000000	0.1411659	0.0055921	0.0353703	0.0044762
9.0000000	0.1785915	0.0076060	0.0393034	0.0044481
9.5000000	0.1987126	0.0087071	0.0411275	0.0044252
10.0000000	0.2197190	0.0098618	0.0428386	0.0043959
10.5000000	0.2415512	0.0110585	0.0444255	0.0043601
10.8000000	0.2550159	0.0117903	0.0453141	0.0043354
11.0000000	0.2641363	0.0122819	0.0458788	0.0043177
13.0000000	0.3614281	0.0173088	0.0501617	0.0040818
14.0000000	0.4123477	0.0193928	0.0514105	0.0039247
14.2500000	0.4252310	0.0198466	0.0516416	0.0038824
14.5000000	0.4381685	0.0202718	0.0518452	0.0038391
14.5999999	0.4433568	0.0204335	0.0519195	0.0038216
14.6999999	0.4485524	0.0205902	0.0519899	0.0038040
14.8000000	0.4537548	0.0207420	0.0520566	0.0037863
14.8879999	0.4583383	0.0208714	0.0521124	0.0037706
15.0000000	0.4641788	0.0210304	0.0521795	0.0037505
15.1999999	0.4746263	0.0212982	0.0522893	0.0037145
15.4000000	0.4850945	0.0215450	0.0523875	0.0036782
15.5999999	0.4955813	0.0217705	0.0524754	0.0036418
15.8000000	0.5060847	0.0219747	0.0525543	0.0036053
16.0000000	0.5166030	0.0221575	0.0526257	0.0035688
16.2500000	0.5297701	0.0223562	0.0527063	0.0035232
16.5000000	0.5429562	0.0225222	0.0527797	0.0034778
16.7500000	0.5561599	0.0226562	0.0528484	0.0034328
17.0000000	0.5693804	0.0227590	0.0529146	0.0033883
17.2500000	0.5826172	0.0228320	0.0529806	0.0033444
17.5000000	0.5958706	0.0228762	0.0530485	0.0033012
17.7500000	0.6091414	0.0228932	0.0531200	0.0032588
18.0000000	0.6224306	0.0228843	0.0531968	0.0032172
18.5000000	0.6490690	0.0227942	0.0533734	0.0031371
19.0000000	0.6758040	0.0226206	0.0535875	0.0030614
19.5000000	0.7026565	0.0223769	0.0538463	0.0029903
20.0000000	0.7296503	0.0220757	0.0541546	0.0029241
21.0000000	0.7841387	0.0213365	0.0549293	0.0028061
23.0000000	0.8957607	0.0195498	0.0570911	0.0026237
25.0000000	1.0125031	0.0177361	0.0599628	0.0025012
30.0000000	1.3322131	0.0138491	0.0689179	0.0023432
40.0000000	2.1209095	0.0091374	0.0898262	0.0022572
60.0000000	4.3556953	0.0048580	0.1340944	0.0022364
80.0000000	7.4846875	0.0022975	0.1788351	0.0022356
100.0000000	11.5091000	0.	0.2236061	0.0022361

X= 94.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	-0.0000097	0.
0.2500000	0.0001222	-0.0000191	0.0009877	0.0039515
0.5000000	0.0004938	-0.0000546	0.0019979	0.0039973
1.0000000	0.0020043	-0.0001326	0.0040915	0.0040937
1.5000000	0.0045854	-0.0001771	0.0062701	0.0041817
2.0000000	0.0082744	-0.0001709	0.0085147	0.0042582
3.0000000	0.0190625	0.0000216	0.0131392	0.0043797
4.0000000	0.0345527	0.0005006	0.0178796	0.0044717
6.0000000	0.0798699	0.0024102	0.0273620	0.0045780
8.0000000	0.1440007	0.0057377	0.0363353	0.0045982
9.0000000	0.1824710	0.0079092	0.0404150	0.0045757
9.5000000	0.2031647	0.0091033	0.0423014	0.0045547
10.0000000	0.2247725	0.0103599	0.0440641	0.0045266
10.5000000	0.2472289	0.0116665	0.0456894	0.0044910
10.8000000	0.2610755	0.0124672	0.0465938	0.0044660
11.0000000	0.2704527	0.0130059	0.0471656	0.0044478
13.0000000	0.3703753	0.0185408	0.0513239	0.0041977
14.0000000	0.4223804	0.0208134	0.0523801	0.0040260
14.2500000	0.4354989	0.0213026	0.0525514	0.0039793
14.5000000	0.4486561	0.0217582	0.0526918	0.0039315
14.5999999	0.4539278	0.0219305	0.0527398	0.0039122
14.6999999	0.4592041	0.0220971	0.0527836	0.0038927
14.8000000	0.4644845	0.0222578	0.0528233	0.0038731
14.8879999	0.4691344	0.0223944	0.0528550	0.0038557
15.0000000	0.4750564	0.0225614	0.0528912	0.0038335
15.1999999	0.4856407	0.0228408	0.0529450	0.0037935
15.4000000	0.4962344	0.0230955	0.0529863	0.0037533
15.5999999	0.5068352	0.0233254	0.0530169	0.0037129
15.8000000	0.5174411	0.0235303	0.0530385	0.0036724
16.0000000	0.5280506	0.0237105	0.0530527	0.0036319
16.2500000	0.5413155	0.0239010	0.0530628	0.0035814
16.5000000	0.5545820	0.0240537	0.0530671	0.0035312
16.7500000	0.5678490	0.0241697	0.0530685	0.0034814
17.0000000	0.5811162	0.0242504	0.0530699	0.0034322
17.2500000	0.5943839	0.0242971	0.0530738	0.0033838
17.5000000	0.6076531	0.0243117	0.0530826	0.0033363
17.7500000	0.6209252	0.0242959	0.0530984	0.0032897
18.0000000	0.6342023	0.0242518	0.0531230	0.0032443
18.5000000	0.6607785	0.0240846	0.0532059	0.0031569
19.0000000	0.6874082	0.0238286	0.0533410	0.0030748
19.5000000	0.7141195	0.0235003	0.0535351	0.0029982
20.0000000	0.7409432	0.0231139	0.0537918	0.0029274
21.0000000	0.7950237	0.0222104	0.0544974	0.0028024
23.0000000	0.9056859	0.0201456	0.0566121	0.0026126
25.0000000	1.0214720	0.0181295	0.0595067	0.0024883
30.0000000	1.3391760	0.0139944	0.0685708	0.0023328
40.0000000	2.1254850	0.0091613	0.0896313	0.0022525
60.0000000	4.3581243	0.0048570	0.1340088	0.0022349
80.0000000	7.4858359	0.0022962	0.1787744	0.0022349
100.0000000	11.5091000	0.	0.2235520	0.0022355

X= 94.1999998

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	-0.	-0.0000209	0.
0.2500000	0.0001176	-0.0000314	0.0009620	0.0038501
0.5000000	0.0004810	-0.0000800	0.0019643	0.0039318
1.0000000	0.0019739	-0.0001765	0.0040639	0.0040678
1.5000000	0.0045449	-0.0002323	0.0062605	0.0041765
2.0000000	0.0082344	-0.0002331	0.0085279	0.0042656
3.0000000	0.0190604	-0.0000465	0.0132061	0.0044021
4.0000000	0.0346466	0.0004355	0.0180079	0.0045033
6.0000000	0.0803491	0.0023788	0.0276268	0.0046215
8.0000000	0.1451537	0.0057903	0.0367415	0.0046494
9.0000000	0.1840649	0.0080287	0.0408856	0.0046296
9.5000000	0.2050613	0.0092627	0.0427998	0.0046095
10.0000000	0.2268647	0.0105633	0.0445858	0.0045820
10.5000000	0.2495871	0.0119177	0.0462267	0.0045467
10.8000000	0.2635968	0.0127486	0.0471404	0.0045217
11.0000000	0.2730837	0.0133080	0.0477157	0.0045033
13.0000000	0.3741352	0.0190685	0.0518204	0.0042475
14.0000000	0.4266029	0.0214251	0.0527906	0.0040695
14.2500000	0.4398208	0.0219299	0.0529349	0.0040209
14.5000000	0.4530704	0.0223988	0.0530468	0.0039712
14.5999999	0.4583770	0.0225757	0.0530830	0.0039510
14.6999999	0.4636870	0.0227464	0.0531149	0.0039306
14.8000000	0.4690000	0.0229110	0.0531424	0.0039102
14.8879999	0.4736775	0.0230505	0.0531632	0.0038921
15.0000000	0.4796331	0.0232209	0.0531854	0.0038689
15.1999999	0.4902738	0.0235049	0.0532139	0.0038272
15.4000000	0.5009187	0.0237626	0.0532297	0.0037853
15.5999999	0.5115656	0.0239938	0.0532346	0.0037431
15.8000000	0.5222126	0.0241984	0.0532306	0.0037008
16.0000000	0.5328579	0.0243765	0.0532193	0.0036585
16.2500000	0.5461605	0.0245623	0.0531980	0.0036058
16.5000000	0.5594569	0.0247081	0.0531716	0.0035535
16.7500000	0.5727463	0.0248150	0.0531434	0.0035016
17.0000000	0.5860286	0.0248846	0.0531164	0.0034504
17.2500000	0.5993045	0.0249186	0.0530932	0.0034000
17.5000000	0.6125752	0.0249189	0.0530765	0.0033506
17.7500000	0.6258427	0.0248876	0.0530683	0.0033022
18.0000000	0.6391093	0.0248269	0.0530706	0.0032550
18.5000000	0.6656487	0.0246238	0.0531142	0.0031646
19.0000000	0.6922235	0.0243300	0.0532167	0.0030797
19.5000000	0.7188654	0.0239631	0.0533847	0.0030008
20.0000000	0.7456082	0.0235390	0.0536214	0.0029280
21.0000000	0.7995010	0.0225635	0.0543014	0.0028001
23.0000000	0.9097386	0.0203805	0.0564031	0.0026075
25.0000000	1.0251133	0.0182811	0.0593119	0.0024826
30.0000000	1.3419804	0.0140478	0.0684269	0.0023285
40.0000000	2.1273181	0.0091691	0.0895521	0.0022505
60.0000000	4.3590956	0.0048562	0.1339744	0.0022344
80.0000000	7.4862950	0.0022960	0.1787501	0.0022346
100.0000000	11.5091000	0.	0.2235304	0.0022353

X= 94.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	-0.	0.	-0.0000642	0.
0.2500000	0.0001044	-0.0000825	0.0008998	0.0036144
0.5000000	0.0004499	-0.0001505	0.0018945	0.0038009
1.0000000	0.0019098	-0.0002674	0.0040118	0.0040207
1.5000000	0.0044618	-0.0003346	0.0062398	0.0041658
2.0000000	0.0081495	-0.0003432	0.0085440	0.0042754
3.0000000	0.0190304	-0.0001625	0.0133062	0.0044357
4.0000000	0.0347619	0.0003254	0.0182032	0.0045515
6.0000000	0.0810550	0.0023207	0.0280351	0.0046885
8.0000000	0.1469022	0.0058616	0.0373732	0.0047288
9.0000000	0.1865002	0.0082048	0.0416204	0.0047135
9.5000000	0.2078160	0.0095017	0.0435795	0.0046951
10.0000000	0.2300797	0.0108721	0.0454034	0.0046687
10.5000000	0.2532194	0.0123027	0.0470755	0.0046340
10.8000000	0.2674953	0.0131819	0.0479998	0.0046090
11.0000000	0.2771449	0.0137744	0.0485811	0.0045905
13.0000000	0.3799769	0.0199014	0.0526015	0.0043262
14.0000000	0.4331711	0.0223951	0.0534320	0.0041382
14.2500000	0.4465440	0.0229251	0.0535325	0.0040866
14.5000000	0.4599373	0.0234151	0.0535977	0.0040337
14.5999999	0.4652981	0.0235994	0.0536147	0.0040122
14.6999999	0.4706603	0.0237769	0.0536269	0.0039906
14.8000000	0.4760235	0.0239473	0.0536346	0.0039688
14.8879999	0.4807435	0.0240915	0.0536378	0.0039495
15.0000000	0.4867511	0.0242671	0.0536372	0.0039248
15.1999999	0.4974779	0.0245581	0.0536245	0.0038803
15.4000000	0.5082009	0.0248199	0.0535986	0.0038355
15.5999999	0.5189174	0.0250524	0.0535618	0.0037905
15.8000000	0.5296256	0.0252555	0.0535160	0.0037453
16.0000000	0.5403238	0.0254294	0.0534634	0.0037002
16.2500000	0.5536810	0.0256062	0.0533912	0.0036439
16.5000000	0.5670194	0.0257392	0.0533155	0.0035881
16.7500000	0.5803387	0.0258300	0.0532397	0.0035326
17.0000000	0.5936393	0.0258802	0.0531672	0.0034783
17.2500000	0.6069223	0.0258920	0.0531010	0.0034248
17.5000000	0.6201897	0.0258678	0.0530438	0.0033723
17.7500000	0.6334442	0.0258100	0.0529978	0.0033210
18.0000000	0.6466887	0.0257211	0.0529653	0.0032711
18.5000000	0.6731586	0.0254579	0.0529478	0.0031757
19.0000000	0.6996365	0.0251015	0.0530007	0.0030865
19.5000000	0.7261594	0.0246715	0.0531297	0.0030040
20.0000000	0.7527662	0.0241859	0.0533369	0.0029282
21.0000000	0.8063496	0.0230950	0.0539816	0.0027959
23.0000000	0.9159054	0.0207277	0.0560704	0.0025991
25.0000000	1.0306313	0.0185009	0.0590064	0.0024735
30.0000000	1.3462064	0.0141225	0.0682055	0.0023217
40.0000000	2.1300704	0.0091787	0.0894323	0.0022475
60.0000000	4.3605523	0.0048548	0.1339228	0.0022335
80.0000000	7.4869838	0.0022954	0.1787137	0.0022341
100.0000000	11.5091000	0.	0.2234979	0.0022350

X= 94.7500000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.0000758	-0.0001838	0.0008252	0.0033817
0.5000000	0.0004025	-0.0002505	0.0018241	0.0036826
1.0000000	0.0018318	-0.0003690	0.0039635	0.0039807
1.5000000	0.0043661	-0.0004398	0.0062194	0.0041566
2.0000000	0.0080512	-0.0004512	0.0085553	0.0042836
3.0000000	0.0189768	-0.0002726	0.0133899	0.0044642
4.0000000	0.0348310	0.0002217	0.0183691	0.0045926
6.0000000	0.0816285	0.0022617	0.0283859	0.0047460
8.0000000	0.1483745	0.0059134	0.0379210	0.0047974
9.0000000	0.1885695	0.0083478	0.0422607	0.0047864
9.5000000	0.2102163	0.0097001	0.0442606	0.0047696
10.0000000	0.2328301	0.0111323	0.0461194	0.0047444
10.5000000	0.2563357	0.0126307	0.0478187	0.0047104
10.8000000	0.2708267	0.0135531	0.0487550	0.0046855
11.0000000	0.2806379	0.0141754	0.0493421	0.0046671
13.0000000	0.3850416	0.0206356	0.0532891	0.0043958
14.0000000	0.4388743	0.0232549	0.0539925	0.0041991
14.2500000	0.4523824	0.0238077	0.0540526	0.0041448
14.5000000	0.4659006	0.0243169	0.0540751	0.0040890
14.5999999	0.4713082	0.0245077	0.0540744	0.0040664
14.6999999	0.4767155	0.0246911	0.0540686	0.0040435
14.8000000	0.4821219	0.0248668	0.0540580	0.0040205
14.8879999	0.4868785	0.0250150	0.0540449	0.0040001
15.0000000	0.4929305	0.0251950	0.0540234	0.0039740
15.1999999	0.5037308	0.0254918	0.0539729	0.0039270
15.4000000	0.5145196	0.0257566	0.0539088	0.0038796
15.5999999	0.5252944	0.0259894	0.0538336	0.0038320
15.8000000	0.5360531	0.0261902	0.0537497	0.0037842
16.0000000	0.5467943	0.0263592	0.0536594	0.0037365
16.2500000	0.5601946	0.0265265	0.0535411	0.0036770
16.5000000	0.5735648	0.0266466	0.0534207	0.0036180
16.7500000	0.5869049	0.0267211	0.0533020	0.0035597
17.0000000	0.6002158	0.0267523	0.0531888	0.0035022
17.2500000	0.6134993	0.0267425	0.0530843	0.0034458
17.5000000	0.6267579	0.0266947	0.0529912	0.0033906
17.7500000	0.6399949	0.0266115	0.0529123	0.0033367
18.0000000	0.6532141	0.0264959	0.0528494	0.0032844
18.5000000	0.6796116	0.0261762	0.0527794	0.0031845
19.0000000	0.7059934	0.0257618	0.0527903	0.0030916
19.5000000	0.7324019	0.0252741	0.0528872	0.0030059
20.0000000	0.7588806	0.0247327	0.0530710	0.0029276
21.0000000	0.8121789	0.0235386	0.0536895	0.0027916
23.0000000	0.9211231	0.0210112	0.0557750	0.0025914
25.0000000	1.0352789	0.0186767	0.0587394	0.0024655
30.0000000	1.3497445	0.0141794	0.0680161	0.0023159
40.0000000	2.1323660	0.0091845	0.0893314	0.0022451
60.0000000	4.3617658	0.0049530	0.1338798	0.0022328
80.0000000	7.4815576	0.0022945	0.1786833	0.0022337
100.0000000	11.5091000	0.	0.2234709	0.0022347

X= 95.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.0000125	-0.0003356	0.0007771	0.0033857
0.5000000	0.0003246	-0.0003880	0.0017659	0.0036160
1.0000000	0.0017252	-0.0004944	0.0039172	0.0039483
1.5000000	0.0042418	-0.0005631	0.0061987	0.0041495
2.0000000	0.0079239	-0.0005747	0.0085661	0.0042927
3.0000000	0.0188941	-0.0003954	0.0134744	0.0044934
4.0000000	0.0348728	0.0001065	0.0185380	0.0046346
6.0000000	0.0821859	0.0021924	0.0287465	0.0048050
8.0000000	0.1498589	0.0059573	0.0384890	0.0048684
9.0000000	0.1906741	0.0084865	0.0429276	0.0048620
9.5000000	0.2126660	0.0098968	0.0449717	0.0048471
10.0000000	0.2356458	0.0113941	0.0468687	0.0048234
10.5000000	0.2595348	0.0129646	0.0485983	0.0047903
10.8000000	0.2742619	0.0139332	0.0495481	0.0047657
11.0000000	0.2842325	0.0145873	0.0501420	0.0047473
13.0000000	0.3902947	0.0214087	0.0540129	0.0044693
14.0000000	0.4447986	0.0241657	0.0545785	0.0042635
14.2500000	0.4584478	0.0247434	0.0545945	0.0042063
14.5000000	0.4720958	0.0252732	0.0545702	0.0041475
14.5999999	0.4775520	0.0254709	0.0545500	0.0041235
14.6999999	0.4830058	0.0256605	0.0545245	0.0040994
14.8000000	0.4884569	0.0258417	0.0544938	0.0040750
14.8879999	0.4932510	0.0259942	0.0544629	0.0040535
15.0000000	0.4993486	0.0261786	0.0544185	0.0040259
15.1999999	0.5102238	0.0264811	0.0543266	0.0039761
15.4000000	0.5210792	0.0267485	0.0542207	0.0039259
15.5999999	0.5319121	0.0269808	0.0541037	0.0038755
15.8000000	0.5427207	0.0271781	0.0539782	0.0038249
16.0000000	0.5535034	0.0273408	0.0538469	0.0037744
16.2500000	0.5669443	0.0274965	0.0536786	0.0037115
16.5000000	0.5803427	0.0276009	0.0535100	0.0036490
16.7500000	0.5936992	0.0276563	0.0533453	0.0035874
17.0000000	0.6070154	0.0276653	0.0531886	0.0035267
17.2500000	0.6202936	0.0276308	0.0530434	0.0034672
17.5000000	0.6335371	0.0275560	0.0529127	0.0034090
17.7500000	0.6467499	0.0274440	0.0527990	0.0033524
18.0000000	0.6599366	0.0272984	0.0527046	0.0032975
18.5000000	0.6862467	0.0269158	0.0525808	0.0031929
19.0000000	0.7125174	0.0264373	0.0525497	0.0030961
19.5000000	0.7387964	0.0258868	0.0526151	0.0030071
20.0000000	0.7651325	0.0252852	0.0527769	0.0029261
21.0000000	0.8181189	0.0239814	0.0533729	0.0027863
23.0000000	0.9264110	0.0212883	0.0554627	0.0025830
25.0000000	1.0399696	0.0188448	0.0584610	0.0024569
30.0000000	1.3532961	0.0142314	0.0678224	0.0023100
40.0000000	2.1346627	0.0091886	0.0892297	0.0022425
60.0000000	4.3629788	0.0048505	0.1338367	0.0022321
80.0000000	7.4881311	0.0022933	0.1786530	0.0022333
100.0000000	11.5091000	0.	0.2234439	0.0022344

X= 95.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.0000544	-0.0007259	0.0016834	0.0036666
1.0000000	0.0014097	-0.0008002	0.0038397	0.0039222
1.5000000	0.0038941	-0.0008611	0.0061612	0.0041474
2.0000000	0.0075709	-0.0008680	0.0085894	0.0043166
3.0000000	0.0186318	-0.0006806	0.0136473	0.0045547
4.0000000	0.0348655	-0.0001601	0.0188857	0.0047216
6.0000000	0.0832447	0.0020196	0.0294980	0.0049278
8.0000000	0.1528573	0.0050169	0.0396875	0.0050176
9.0000000	0.1949855	0.0087461	0.0443451	0.0050221
9.5000000	0.2177123	0.0102807	0.0464887	0.0050118
10.0000000	0.2414742	0.0119192	0.0484732	0.0049917
10.5000000	0.2661854	0.0136473	0.0502737	0.0049612
10.8000000	0.2814207	0.0147178	0.0512562	0.0049377
11.0000000	0.2917349	0.0154426	0.0518671	0.0049197
13.0000000	0.4013955	0.0230834	0.0555795	0.0046294
14.0000000	0.4573501	0.0261603	0.0558342	0.0044042
14.2500000	0.4713011	0.0267947	0.0557492	0.0043406
14.5000000	0.4852247	0.0273711	0.0556171	0.0042750
14.5999999	0.4907833	0.0275844	0.0555524	0.0042482
14.6999999	0.4963351	0.0277877	0.0554815	0.0042212
14.8000000	0.5018795	0.0279808	0.0554049	0.0041939
14.8879999	0.5067522	0.0281422	0.0553330	0.0041697
15.0000000	0.5129442	0.0283359	0.0552359	0.0041387
15.1999999	0.5239735	0.0286490	0.0550488	0.0040827
15.4000000	0.5349637	0.0289195	0.0548471	0.0040263
15.5999999	0.5459123	0.0291477	0.0546344	0.0039694
15.8000000	0.5568175	0.0293336	0.0544143	0.0039125
16.0000000	0.5676780	0.0294780	0.0541900	0.0038555
16.2500000	0.5811903	0.0296018	0.0539089	0.0037847
16.5000000	0.5946325	0.0296552	0.0536322	0.0037145
16.7500000	0.6080064	0.0296716	0.0533652	0.0036453
17.0000000	0.6213151	0.0296247	0.0531128	0.0035774
17.2500000	0.6345628	0.0295287	0.0528787	0.0035110
17.5000000	0.6477545	0.0293877	0.0526666	0.0034463
17.7500000	0.6608961	0.0292062	0.0524791	0.0033836
18.0000000	0.6739940	0.0289885	0.0523183	0.0033229
18.5000000	0.7000797	0.0284575	0.0520836	0.0032082
19.0000000	0.7260776	0.0278312	0.0519689	0.0031027
19.5000000	0.7520486	0.0271378	0.0519750	0.0030068
20.0000000	0.7780526	0.0264014	0.0520980	0.0029203
21.0000000	0.8303307	0.0248584	0.0526623	0.0027731
23.0000000	0.9371920	0.0218187	0.0547859	0.0025639
25.0000000	1.0494741	0.0191555	0.0578700	0.0024383
30.0000000	1.3604366	0.0143198	0.0674224	0.0022975
40.0000000	2.1392586	0.0091912	0.0890239	0.0022374
60.0000000	4.3654027	0.0043441	0.1337505	0.0022306
80.0000000	7.4892771	0.0022901	0.1785924	0.0022326
100.0000000	11.5091000	0.	0.2233899	0.0022339

X= 96.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.0009250	-0.0011729	0.0037663	0.0039447
1.5000000	0.0033808	-0.0012242	0.0061308	0.0041679
2.0000000	0.0070559	-0.0012218	0.0086193	0.0043528
3.0000000	0.0162135	-0.0010195	0.0138284	0.0046220
4.0000000	0.0347127	-0.0004772	0.0192482	0.0048135
6.0000000	0.0942056	0.0017977	0.0302908	0.0050573
8.0000000	0.1558757	0.0060324	0.0409747	0.0051770
9.0000000	0.1994207	0.0089744	0.0458836	0.0051948
9.5000000	0.2229468	0.0106444	0.0481449	0.0051903
10.0000000	0.2475650	0.0124387	0.0502353	0.0051752
10.5000000	0.2731820	0.0143437	0.0521247	0.0051488
10.8000000	0.2889797	0.0155302	0.0531500	0.0051271
11.0000000	0.2996752	0.0163361	0.0537840	0.0051100
13.0000000	0.4133781	0.0249460	0.0573376	0.0048099
14.0000000	0.4709588	0.0284176	0.0572242	0.0045637
14.2500000	0.4852426	0.0291210	0.0570162	0.0044928
14.5000000	0.4994669	0.0297530	0.0567525	0.0044192
14.5999999	0.5051363	0.0299844	0.0566330	0.0043891
14.6999999	0.5107935	0.0302035	0.0565065	0.0043586
14.8000000	0.5164376	0.0304100	0.0563734	0.0043279
14.8879999	0.5213932	0.0305811	0.0562513	0.0043005
15.0000000	0.5276845	0.0307844	0.0560895	0.0042655
15.1999999	0.5388729	0.0311069	0.0557858	0.0042021
15.4000000	0.5499988	0.0313769	0.0554673	0.0041381
15.5999999	0.5610598	0.0315947	0.0551385	0.0040736
15.8000000	0.5720542	0.0317611	0.0548040	0.0040090
16.0000000	0.5829814	0.0318772	0.0544683	0.0039444
16.2500000	0.5965461	0.0319543	0.0540531	0.0038641
16.5000000	0.6100060	0.0319598	0.0536496	0.0037847
16.7500000	0.6233709	0.0318988	0.0532643	0.0037066
17.0000000	0.6366401	0.0317766	0.0529027	0.0036302
17.2500000	0.6498222	0.0315991	0.0525693	0.0035557
17.5000000	0.6629249	0.0313722	0.0522677	0.0034834
17.7500000	0.6759561	0.0311015	0.0520007	0.0034136
18.0000000	0.6889251	0.0307932	0.0517702	0.0033464
18.5000000	0.7147043	0.0300789	0.0514234	0.0032202
19.0000000	0.7403485	0.0292746	0.0512300	0.0031055
19.5000000	0.7659342	0.0284134	0.0511854	0.0030022
20.0000000	0.7915339	0.0275223	0.0512807	0.0029100
21.0000000	0.8429773	0.0257132	0.0518377	0.0027555
23.0000000	0.9482297	0.0223101	0.0540370	0.0025418
25.0000000	1.0591251	0.0194279	0.0572336	0.0024176
30.0000000	1.3676159	0.0143862	0.0670067	0.0022845
40.0000000	2.1438539	0.0091860	0.0888153	0.0022322
60.0000000	4.3678228	0.0048357	0.1336642	0.0022292
80.0000000	7.4904212	0.0022860	0.1785319	0.0022318
100.0000000	11.5091000	0.	0.2233359	0.0022334

X= 97.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.0017615	-0.0021076	0.0061151	0.0043121
2.0000000	0.0054507	-0.0020932	0.0087114	0.0044797
3.0000000	0.0168279	-0.0018590	0.0142208	0.0047806
4.0000000	0.0338923	-0.0012735	0.0200201	0.0050151
6.0000000	0.0857553	0.0011814	0.0320017	0.0053373
8.0000000	0.1618992	0.0058850	0.0438275	0.0055276
9.0000000	0.2086045	0.0092798	0.0493516	0.0055796
9.5000000	0.2339419	0.0112503	0.0519132	0.0055914
10.0000000	0.2605177	0.0134008	0.0542849	0.0055914
10.5000000	0.2882268	0.0157228	0.0564224	0.0055783
10.8000000	0.3053343	0.0171899	0.0575741	0.0055635
11.0000000	0.3169223	0.0181954	0.0582804	0.0055504
13.0000000	0.4402864	0.0293395	0.0615543	0.0052453
14.0000000	0.5017768	0.0339690	0.0605001	0.0049560
14.2500000	0.5168399	0.0348703	0.0599603	0.0048675
14.5000000	0.5317569	0.0356575	0.0593379	0.0047743
14.5999999	0.5376775	0.0359378	0.0590687	0.0047358
14.6999999	0.5435706	0.0361979	0.0587896	0.0046966
14.8000000	0.5494354	0.0364374	0.0585016	0.0046568
14.8879999	0.5545722	0.0366310	0.0582416	0.0046214
15.0000000	0.5610766	0.0368537	0.0579028	0.0045757
15.1999999	0.5725959	0.0371853	0.0572812	0.0044929
15.4000000	0.5839890	0.0374322	0.0566451	0.0044088
15.5999999	0.5952540	0.0375960	0.0560033	0.0043239
15.8000000	0.6063904	0.0376793	0.0553639	0.0042386
16.0000000	0.6173995	0.0376859	0.0547343	0.0041533
16.2500000	0.6309358	0.0375930	0.0539718	0.0040476
16.5000000	0.6443854	0.0373980	0.0532469	0.0039435
16.7500000	0.6576092	0.0371125	0.0525590	0.0038417
17.0000000	0.6706699	0.0367482	0.0519451	0.0037429
17.2500000	0.6835818	0.0363169	0.0513805	0.0036475
17.5000000	0.6963601	0.0358298	0.0508782	0.0035559
17.7500000	0.7090209	0.0352972	0.0504401	0.0034684
18.0000000	0.7215802	0.0347288	0.0500666	0.0033851
18.5000000	0.7464428	0.0335102	0.0495064	0.0032315
19.0000000	0.7710886	0.0322390	0.0491893	0.0030954
19.5000000	0.7956321	0.0309566	0.0490870	0.0029761
20.0000000	0.8201755	0.0296924	0.0491763	0.0028723
21.0000000	0.8695305	0.0272779	0.0498164	0.0027046
23.0000000	0.9710091	0.0231272	0.0523186	0.0024870
25.0000000	1.0788048	0.0198315	0.0558272	0.0023698
30.0000000	1.3820572	0.0144471	0.0661328	0.0022564
40.0000000	2.1530310	0.0091527	0.0883919	0.0022216
60.0000000	4.3726493	0.0048135	0.1334918	0.0022263
80.0000000	7.4927027	0.0022762	0.1784113	0.0022303
100.0000000	11.5091000	0.	0.2232285	0.0022323

X= 98.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.0028694	-0.0031713	0.0088289	0.0046906
3.0000000	0.0144955	-0.0029132	0.0146481	0.0049783
4.0000000	0.0321657	-0.0022978	0.0208473	0.0052434
6.0000000	0.0865684	0.0003013	0.0338700	0.0056452
8.0000000	0.1676457	0.0054231	0.0470689	0.0059225
9.0000000	0.2179798	0.0092746	0.0534015	0.0060223
9.5000000	0.2454474	0.0115701	0.0563868	0.0060591
10.0000000	0.2743666	0.0141242	0.0591802	0.0060842
10.5000000	0.3046276	0.0169433	0.0617205	0.0060956
10.8000000	0.3233595	0.0187601	0.0630955	0.0060949
11.0000000	0.3360660	0.0200214	0.0639385	0.0060909
13.0000000	0.4720574	0.0347420	0.0672249	0.0058209
14.0000000	0.5388969	0.0414315	0.0648440	0.0054964
14.2500000	0.5549832	0.0426822	0.0637698	0.0053850
14.5000000	0.5707818	0.0437360	0.0625562	0.0052641
14.5999999	0.5770119	0.0440960	0.0620374	0.0052132
14.6999999	0.5831893	0.0444199	0.0615031	0.0051610
14.8000000	0.5893125	0.0447068	0.0609554	0.0051076
14.8879999	0.5946551	0.0449280	0.0604643	0.0050597
15.0000000	0.6013919	0.0451672	0.0598294	0.0049976
15.1999999	0.6132435	0.0454754	0.0586786	0.0048840
15.4000000	0.6248633	0.0456337	0.0575208	0.0047678
15.5999999	0.6362518	0.0456483	0.0563738	0.0046499
15.8000000	0.6474128	0.0455284	0.0552538	0.0045313
16.0000000	0.6583533	0.0452857	0.0541746	0.0044131
16.2500000	0.6717320	0.0448282	0.0529014	0.0042671
16.5000000	0.6848040	0.0442267	0.0517277	0.0041247
16.7500000	0.6975959	0.0435084	0.0506652	0.0039870
17.0000000	0.7101366	0.0426990	0.0497204	0.0038552
17.2500000	0.7224561	0.0418217	0.0488954	0.0037299
17.5000000	0.7345843	0.0408969	0.0481888	0.0036116
17.7500000	0.7465505	0.0399420	0.0475969	0.0035006
18.0000000	0.7583828	0.0389713	0.0471140	0.0033968
18.5000000	0.7817248	0.0370178	0.0464439	0.0032104
19.0000000	0.8048266	0.0351137	0.0461227	0.0030509
19.5000000	0.8278475	0.0332967	0.0460920	0.0029159
20.0000000	0.8509187	0.0315861	0.0462997	0.0028024
21.0000000	0.8975330	0.0285068	0.0472347	0.0026271
23.0000000	0.9944841	0.0236496	0.0503138	0.0024172
25.0000000	1.0987882	0.0200127	0.0542642	0.0023135
30.0000000	1.3965100	0.0144051	0.0652179	0.0022263
40.0000000	2.1621592	0.0090878	0.0879648	0.0022108
60.0000000	4.3774498	0.0047838	0.1333204	0.0022234
80.0000000	7.4949735	0.0022644	0.1782912	0.0022288
100.0000000	11.5091000	0.	0.2231214	0.0022312

100.0000000 11.5091000 0.

X= 99.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.0110016	-0.0041826	0.0150913	0.0052201
4.0000000	0.0292968	-0.0035873	0.0217070	0.0054995
6.0000000	0.0863579	-0.0008878	0.0358622	0.0059789
8.0000000	0.1727454	0.0045284	0.0506701	0.0063590
9.0000000	0.2271538	0.0087663	0.0580406	0.0065221
9.5000000	0.2570821	0.0113662	0.0616123	0.0065949
10.0000000	0.2887661	0.0143247	0.0650312	0.0066590
10.5000000	0.3221133	0.0176809	0.0682211	0.0067119
10.8000000	0.3428544	0.0199020	0.0699871	0.0067372
11.0000000	0.3569652	0.0214718	0.0710855	0.0067507
13.0000000	0.5097704	0.0411233	0.0753805	0.0066052
14.0000000	0.5846398	0.0519745	0.0711801	0.0062954
14.2500000	0.6022042	0.0539676	0.0691781	0.0061571
14.5000000	0.6192288	0.0555857	0.0668905	0.0059981
14.5999999	0.6258696	0.0561070	0.0659083	0.0059285
14.6999999	0.6324105	0.0565528	0.0648969	0.0058558
14.8000000	0.6388489	0.0569205	0.0638621	0.0057802
14.8879999	0.6444283	0.0571181	0.0629368	0.0057114
15.0000000	0.6514109	0.0574156	0.0617465	0.0056211
15.1999999	0.6635467	0.0575895	0.0596139	0.0054531
15.4000000	0.6752565	0.0574568	0.0575097	0.0052788
15.5999999	0.6865506	0.0570450	0.0554769	0.0051008
15.8000000	0.6974473	0.0563904	0.0535511	0.0049219
16.0000000	0.7079710	0.0555338	0.0517591	0.0047447
16.2500000	0.7206421	0.0542367	0.0497354	0.0045285
16.5000000	0.7328387	0.0527635	0.0479676	0.0043217
16.7500000	0.7446260	0.0511793	0.0464582	0.0041266
17.0000000	0.7560679	0.0495372	0.0451985	0.0039446
17.2500000	0.7672252	0.0478780	0.0441723	0.0037763
17.5000000	0.7781540	0.0462323	0.0433593	0.0036219
17.7500000	0.7889049	0.0446219	0.0427375	0.0034809
18.0000000	0.7995228	0.0430615	0.0422849	0.0033529
18.5000000	0.8204785	0.0401197	0.0417932	0.0031315
19.0000000	0.8413160	0.0374441	0.0417470	0.0029515
19.5000000	0.8622254	0.0350302	0.0420316	0.0028059
20.0000000	0.8833476	0.0328583	0.0425617	0.0026885
21.0000000	0.9265441	0.0291656	0.0440917	0.0025174
23.0000000	1.0183083	0.0237746	0.0480715	0.0023317
25.0000000	1.1188302	0.0199300	0.0525883	0.0022495
30.0000000	1.4108674	0.0142536	0.0642829	0.0021948
40.0000000	2.1712066	0.0089912	0.0875394	0.0022000
60.0000000	4.3822169	0.0047468	0.1331506	0.0022206
80.0000000	7.4972315	0.0022503	0.1781721	0.0022273
100.0000000	11.5091000	0.	0.2230148	0.0022301

X= 99.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.0087381	-0.0049094	0.0152875	0.0053521
4.0000000	0.0273385	-0.0043003	0.0221346	0.0056371
6.0000000	0.0857447	-0.0016094	0.0368821	0.0061529
8.0000000	0.1748668	0.0038843	0.0525658	0.0065886
9.0000000	0.2314350	0.0082581	0.0605401	0.0067890
9.5000000	0.2626981	0.0109800	0.0644748	0.0068845
10.0000000	0.2959098	0.0141139	0.0683045	0.0069747
10.5000000	0.3310026	0.0177232	0.0719542	0.0070576
10.8000000	0.3529072	0.0201491	0.0740173	0.0071028
11.0000000	0.3678442	0.0218824	0.0753202	0.0071304
13.0000000	0.5311845	0.0445021	0.0812236	0.0071243
14.0000000	0.6121849	0.0589440	0.0760074	0.0068703
14.2500000	0.6308747	0.0616586	0.0732429	0.0067187
14.5000000	0.6488063	0.0638423	0.0699865	0.0065332
14.5999999	0.6557354	0.0645227	0.0685673	0.0064488
14.6999999	0.6625198	0.0650853	0.0670992	0.0063591
14.8000000	0.6691552	0.0655243	0.0655938	0.0062645
14.8879999	0.6748686	0.0658055	0.0642478	0.0061773
15.0000000	0.6819679	0.0660199	0.0625211	0.0060617
15.1999999	0.6941630	0.0660068	0.0594572	0.0058446
15.4000000	0.7057508	0.0655239	0.0564915	0.0056178
15.5999999	0.7167596	0.0646351	0.0537018	0.0053867
15.8000000	0.7272315	0.0634178	0.0511433	0.0051564
16.0000000	0.7372170	0.0619514	0.0488488	0.0049308
16.2500000	0.7490921	0.0598718	0.0463714	0.0046603
16.5000000	0.7604027	0.0576406	0.0443217	0.0044067
16.7500000	0.7712530	0.0553521	0.0426705	0.0041725
17.0000000	0.7817379	0.0530745	0.0413769	0.0039587
17.2500000	0.7919414	0.0508542	0.0403958	0.0037650
17.5000000	0.8019358	0.0487205	0.0396825	0.0035906
17.7500000	0.8117827	0.0466902	0.0391963	0.0034345
18.0000000	0.8215339	0.0447715	0.0389006	0.0032950
18.5000000	0.8408798	0.0412753	0.0387428	0.0030600
19.0000000	0.8602767	0.0382050	0.0390238	0.0028743
19.5000000	0.8799036	0.0355105	0.0396074	0.0027280
20.0000000	0.8998341	0.0331380	0.0404012	0.0026127
21.0000000	0.9411655	0.0292093	0.0423572	0.0024501
23.0000000	1.0301832	0.0236617	0.0469004	0.0022840
25.0000000	1.1287672	0.0197808	0.0517343	0.0022155
30.0000000	1.4179683	0.0141359	0.0638175	0.0021788
40.0000000	2.1756881	0.0089310	0.0873296	0.0021946
60.0000000	4.3845852	0.0047257	0.1330667	0.0022192
80.0000000	7.4983547	0.0022424	0.1781129	0.0022266
100.0000000	11.5091000	0.	0.2229616	0.0022296

X= 100.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.0060921	-0.0057110	0.0154853	0.0055016
4.0000000	0.0249965	-0.0051025	0.0225616	0.0057828
6.0000000	0.0847485	-0.0024210	0.0379083	0.0063309
8.0000000	0.1766297	0.0030887	0.0545016	0.0068236
9.0000000	0.2354119	0.0075345	0.0631277	0.0070640
9.5000000	0.2680621	0.0103358	0.0674681	0.0071848
10.0000000	0.3028800	0.0135963	0.0717743	0.0073051
10.5000000	0.3398364	0.0174076	0.0759821	0.0074239
10.8000000	0.3630036	0.0200118	0.0784216	0.0074939
11.0000000	0.3788476	0.0218947	0.0799922	0.0075395
13.0000000	0.5542725	0.0476166	0.0887784	0.0077494
14.0000000	0.6435838	0.0675537	0.0827552	0.0076305
14.2500000	0.6638629	0.0716453	0.0789745	0.0074828
14.5000000	0.6830711	0.0749835	0.0742463	0.0072774
14.5999999	0.6903923	0.0759917	0.0721232	0.0071759
14.6999999	0.6974957	0.0767919	0.0699048	0.0070642
14.8000000	0.7043732	0.0773681	0.0676171	0.0069427
14.8879999	0.7102339	0.0776819	0.0655688	0.0068280
15.0000000	0.7174308	0.0778170	0.0629500	0.0066727
15.1999999	0.7295535	0.0773403	0.0583738	0.0063748
15.4000000	0.7407804	0.0760717	0.0540805	0.0060608
15.5999999	0.7511857	0.0741941	0.0502118	0.0057428
15.8000000	0.7608651	0.0718962	0.0468419	0.0054310
16.0000000	0.7699225	0.0693437	0.0439887	0.0051324
16.2500000	0.7805140	0.0659810	0.0411138	0.0047841
16.5000000	0.7904794	0.0626099	0.0389282	0.0044682
16.7500000	0.7999781	0.0593450	0.0373261	0.0041855
17.0000000	0.8091424	0.0562507	0.0362027	0.0039349
17.2500000	0.8180794	0.0533579	0.0354642	0.0037141
17.5000000	0.8268745	0.0505758	0.0350313	0.0035203
17.7500000	0.8355951	0.0482011	0.0348396	0.0033506
18.0000000	0.8442943	0.0459233	0.0348375	0.0032023
18.5000000	0.8617537	0.0419161	0.0352267	0.0029596
19.0000000	0.8795210	0.0385144	0.0359822	0.0027741
19.5000000	0.8977360	0.0356039	0.0369646	0.0026319
20.0000000	0.9164856	0.0330896	0.0380888	0.0025227
21.0000000	0.9557533	0.0290183	0.0405479	0.0023744
23.0000000	1.0419700	0.0234190	0.0457144	0.0022332
25.0000000	1.1386110	0.0195565	0.0508799	0.0021804
30.0000000	1.4250033	0.0139901	0.0633568	0.0021628
40.0000000	2.1801376	0.0088632	0.0871224	0.0021893
60.0000000	4.3869426	0.0047029	0.1329834	0.0022178
80.0000000	7.4994739	0.0022341	0.1780539	0.0022258
100.0000000	11.5091000	0.	0.2229087	0.0022291

X= 100.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.0030271	-0.0065823	0.0156895	0.0056714
4.0000000	0.0222360	-0.0059734	0.0229872	0.0059377
6.0000000	0.0833237	-0.0033240	0.0389299	0.0065119
8.0000000	0.1779556	0.0021326	0.0564480	0.0070610
9.0000000	0.2389696	0.0065705	0.0657571	0.0073427
9.5000000	0.2730339	0.0093920	0.0705365	0.0074904
10.0000000	0.3095061	0.0127048	0.0753763	0.0076439
10.5000000	0.3484102	0.0166281	0.0802380	0.0078041
10.8000000	0.3729190	0.0193515	0.0831383	0.0079038
11.0000000	0.3897389	0.0213449	0.0850482	0.0079714
13.0000000	0.5788012	0.0498898	0.0988020	0.0085141
14.0000000	0.6797386	0.0778967	0.0930879	0.0086700
14.2500000	0.7025200	0.0849065	0.0881024	0.0085864
14.5000000	0.7237898	0.0909878	0.0810027	0.0084014
14.5999999	0.7317270	0.0928135	0.0776093	0.0082867
14.6999999	0.7393117	0.0942163	0.0739816	0.0081491
14.8000000	0.7465234	0.0951316	0.0701877	0.0079879
14.8879999	0.7525505	0.0954992	0.0667754	0.0078271
15.0000000	0.7597849	0.0953654	0.0624387	0.0075992
15.1999999	0.7715034	0.0935519	0.0550940	0.0071427
15.4000000	0.7818225	0.0902977	0.0486260	0.0066596
15.5999999	0.7909538	0.0862133	0.0432630	0.0061833
15.8000000	0.7991277	0.0817737	0.0390172	0.0057345
16.0000000	0.8065607	0.0772966	0.0357803	0.0053235
16.2500000	0.8150731	0.0719161	0.0329039	0.0048668
16.5000000	0.8230126	0.0669537	0.0310498	0.0044729
16.7500000	0.8305980	0.0624656	0.0299520	0.0041358
17.0000000	0.8379886	0.0584452	0.0294026	0.0038485
17.2500000	0.8452993	0.0548568	0.0292459	0.0036038
17.5000000	0.8526116	0.0516544	0.0293691	0.0033954
17.7500000	0.8599838	0.0487910	0.0296912	0.0032177
18.0000000	0.8674572	0.0462223	0.0301549	0.0030660
18.5000000	0.8827959	0.0418513	0.0313339	0.0028260
19.0000000	0.8987911	0.0382494	0.0327116	0.0026489
19.5000000	0.9155 76	0.0352318	0.0341826	0.0025174
20.0000000	0.9329737	0.0326631	0.0356916	0.0024191
21.0000000	0.9701838	0.0285719	0.0387098	0.0022911
23.0000000	1.0536022	0.0230421	0.0445350	0.0021801
25.0000000	1.1483237	0.0192568	0.0500368	0.0021446
30.0000000	1.4319584	0.0138168	0.0629044	0.0021468
40.0000000	2.1845513	0.0087877	0.0869185	0.0021840
60.0000000	4.3892881	0.0046782	0.1329009	0.0022164
80.0000000	7.5005888	0.0022253	0.1779953	0.0022251
100.0000000	11.5091000	0.	0.2228558	0.0022286

X= 101.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0190231	-0.0069112	0.0234077	0.0061017
6.0000000	0.0814245	-0.0043180	0.0399348	0.0066946
8.0000000	0.1787624	0.0010125	0.0583696	0.0072973
9.0000000	0.2419824	0.0053502	0.0683689	0.0076198
9.5000000	0.2774541	0.0081182	0.0736025	0.0077946
10.0000000	0.3155848	0.0113837	0.0790104	0.0079826
10.5000000	0.3564645	0.0152840	0.0845984	0.0081874
10.8000000	0.3823550	0.0180247	0.0880330	0.0083203
11.0000000	0.4001925	0.0200519	0.0903505	0.0084135
13.0000000	0.6041623	0.0503244	0.1122072	0.0094597
14.0000000	0.7214806	0.0887275	0.1107877	0.0101385
14.2500000	0.7487693	0.1023407	0.1051566	0.0102973
14.5000000	0.7740589	0.1150052	0.0942371	0.0103075
14.5999999	0.7832057	0.1204829	0.0882661	0.0102298
14.6999999	0.7917121	0.1240290	0.0814954	0.0100957
14.8000000	0.7995048	0.1262353	0.0741235	0.0098911
14.8879999	0.8057331	0.1267792	0.0673826	0.0096436
15.0000000	0.8127962	0.1254631	0.0589290	0.0092409
15.1999999	0.8231054	0.1185594	0.0457046	0.0083595
15.4000000	0.8310781	0.1094148	0.0357340	0.0074742
15.5999999	0.8373990	0.1031111	0.0289018	0.0066795
15.8000000	0.8426388	0.0915327	0.0245502	0.0059980
16.0000000	0.8472191	0.0839467	0.0219870	0.0054236
16.2500000	0.8524301	0.0758602	0.0204279	0.0048346
16.5000000	0.8574331	0.0691137	0.0200273	0.0043610
16.7500000	0.8624437	0.0634620	0.0203091	0.0039781
17.0000000	0.8675876	0.0586877	0.0209849	0.0036663
17.2500000	0.8729362	0.0546146	0.0218826	0.0034107
17.5000000	0.8785289	0.0511042	0.0228997	0.0032000
17.7500000	0.8843860	0.0480485	0.0239754	0.0030252
18.0000000	0.8905166	0.0453640	0.0250738	0.0028796
18.5000000	0.9036051	0.0409098	0.0272539	0.0026571
19.0000000	0.9177704	0.0373132	0.0293627	0.0024990
19.5000000	0.9329677	0.0343390	0.0313783	0.0023854
20.0000000	0.9491487	0.0318282	0.0333002	0.0023032
21.0000000	0.9843253	0.0278611	0.0368988	0.0022017
23.0000000	1.0650121	0.0225308	0.0433856	0.0021255
25.0000000	1.1578678	0.0186831	0.0492172	0.0021086
30.0000000	1.4388200	0.0136164	0.0624638	0.0021310
40.0000000	2.1889254	0.0087047	0.0867186	0.0021789
60.0000000	4.3916208	0.0046520	0.1328193	0.0022150
80.0000000	7.5016993	0.0022161	0.1779370	0.0022244
100.0000000	11.5091000	0.	0.2228031	0.0022280

X= 101.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0153248	-0.0079225	0.0237889	0.0062684
6.0000000	0.0790058	-0.0054005	0.0409108	0.0068776
8.0000000	0.1789681	-0.0002682	0.0602282	0.0075286
9.0000000	0.2443198	0.0038731	0.0708937	0.0078888
9.5000000	0.2811521	0.0065059	0.0765700	0.0080890
10.0000000	0.3208898	0.0096068	0.0825421	0.0083099
10.5000000	0.3636942	0.0133113	0.0888730	0.0085585
10.8000000	0.3909437	0.0159229	0.0928741	0.0087249
11.0000000	0.4097908	0.0178632	0.0956387	0.0088449
13.0000000	0.6291256	0.0474705	0.1294495	0.0106061
14.0000000	0.7684662	0.0940535	0.1443307	0.0123051
14.2500000	0.8048607	0.1205266	0.1426578	0.0131057
14.5000000	0.8397951	0.1559599	0.1286025	0.0139409
14.5999999	0.8522099	0.1721281	0.1177280	0.0142834
14.6999999	0.8633407	0.1878239	0.1027438	0.0145639
14.8000000	0.8727587	0.1998120	0.0838028	0.0146402
14.8879999	0.8793297	0.2028594	0.0650659	0.0143094
15.0000000	0.8852480	0.1917142	0.0425148	0.0130914
15.1999999	0.8900628	0.1559135	0.0149733	0.0103701
15.4000000	0.8912373	0.1297768	0.0025053	0.0083637
15.5999999	0.8910649	0.1097601	-0.0014423	0.0069724
15.8000000	0.8906603	0.0944491	-0.0013940	0.0059784
16.0000000	0.8905073	0.0833386	0.0003321	0.0052399
16.2500000	0.8909333	0.0739880	0.0032380	0.0045575
16.5000000	0.8921263	0.0665194	0.0062533	0.0040492
16.7500000	0.8940599	0.0605372	0.0091001	0.0036607
17.0000000	0.8966764	0.0559653	0.0117079	0.0033576
17.2500000	0.8999139	0.0519022	0.0140789	0.0031175
17.5000000	0.9037158	0.0485469	0.0162371	0.0029252
17.7500000	0.9080324	0.0456609	0.0182108	0.0027695
18.0000000	0.9128212	0.0431448	0.0200264	0.0026426
18.5000000	0.9237057	0.0390017	0.0232831	0.0024553
19.0000000	0.9361043	0.0356681	0.0261408	0.0023275
19.5000000	0.9498465	0.0329125	0.0286976	0.0022393
20.0000000	0.9648019	0.0305833	0.0310215	0.0021781
21.0000000	0.9980449	0.0268912	0.0351767	0.0021085
23.0000000	1.0761330	0.0218901	0.0422905	0.0020704
25.0000000	1.1672068	0.0184381	0.0484331	0.0020730
30.0000000	1.4455748	0.0133903	0.0620384	0.0021156
40.0000000	2.1932560	0.0086145	0.0865235	0.0021738
60.0000000	4.3939400	0.0046244	0.1327387	0.0022136
80.0000000	7.5028049	0.0022066	0.1778790	0.0022237
100.0000000	11.5091000	0.	0.2227505	0.0022275

X= 101.6999998

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0136983	-0.0083499	0.0239376	0.0063380
6.0000000	0.0778806	-0.0058574	0.0412904	0.0069506
8.0000000	0.1788601	-0.0008236	0.0609434	0.0076186
9.0000000	0.2450303	0.0032131	0.0718592	0.0079923
9.5000000	0.2823821	0.0057689	0.0777007	0.0082015
10.0000000	0.3227309	0.0087705	0.0838825	0.0084340
10.5000000	0.3662646	0.0123447	0.0904905	0.0086980
10.8000000	0.3940279	0.0148581	0.0947044	0.0088762
11.0000000	0.4132568	0.0167232	0.0976389	0.0090055
13.0000000	0.6384232	0.0451219	0.1367679	0.0110784
14.0000000	0.7872835	0.0919811	0.1652922	0.0135115
14.2500000	0.8296335	0.1235271	0.1713250	0.0148220
14.5000000	0.8729460	0.1720821	0.1667790	0.0165269
14.5999999	0.8893651	0.1999900	0.1576238	0.0174410
14.6999999	0.9044707	0.2325011	0.1381015	0.0183961
14.8000000	0.9169854	0.2658764	0.1031236	0.0192686
14.8879999	0.9243548	0.2826496	0.0586068	0.0193889
15.0000000	0.9273356	0.2405458	0.0097906	0.0160497
15.1999999	0.9232854	0.1698689	-0.0241658	0.0112881
15.4000000	0.9176693	0.1297974	-0.0258854	0.0085944
15.5999999	0.9129312	0.1061257	-0.0206166	0.0069301
15.8000000	0.9094226	0.0908641	-0.0146880	0.0058255
16.0000000	0.9070560	0.0802109	-0.0093591	0.0050472
16.2500000	0.9054894	0.0707134	-0.0037103	0.0043576
16.5000000	0.9052008	0.0636707	0.0009807	0.0038593
16.7500000	0.9059797	0.0581796	0.0049272	0.0034858
17.0000000	0.9076644	0.0537402	0.0083006	0.0031987
17.2500000	0.9101300	0.0500528	0.0112291	0.0029737
17.5000000	0.9132790	0.0469256	0.0138080	0.0027951
17.7500000	0.9170341	0.0442290	0.0161080	0.0026519
18.0000000	0.9213330	0.0418714	0.0181819	0.0025360
18.5000000	0.9314101	0.0379717	0.0218249	0.0023674
19.0000000	0.9431579	0.0348175	0.0249513	0.0022545
19.5000000	0.9563614	0.0321983	0.0277028	0.0021782
20.0000000	0.9708607	0.0299759	0.0301719	0.0021266
21.0000000	1.0033793	0.0264345	0.0345297	0.0020708
23.0000000	1.0804829	0.0215994	0.0418740	0.0020485
25.0000000	1.1708752	0.0182413	0.0481326	0.0020589
30.0000000	1.4482433	0.0132928	0.0618735	0.0021095
40.0000000	2.1949752	0.0085768	0.0864469	0.0021718
60.0000000	4.3948638	0.0046132	0.1327068	0.0022131
80.0000000	7.5032459	0.0022036	0.1778559	0.0022234
100.0000000	11.5091000	0.	0.2227295	0.0022273

52

X= 101.7999992

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0128524	-0.0085684	0.0240112	0.0063736
6.0000000	0.0772833	-0.0060907	0.0414778	0.0069871
8.0000000	0.1787635	-0.0011100	0.0612941	0.0076630
9.0000000	0.2453346	0.0028694	0.0723308	0.0080431
9.5000000	0.2829399	0.0053822	0.0782516	0.0082565
10.0000000	0.3235862	0.0083274	0.0845338	0.0084943
10.5000000	0.3674737	0.0118260	0.0912737	0.0087654
10.8000000	0.3954856	0.0142805	0.0955888	0.0089490
11.0000000	0.4148988	0.0160992	0.0986041	0.0090827
13.0000000	0.6428671	0.0436611	0.1403342	0.0113053
14.0000000	0.7963763	0.0892501	0.1765996	0.0141337
14.2500000	0.8419693	0.1216924	0.1881884	0.0157268
14.5000000	0.8904705	0.1753379	0.1954597	0.0181089
14.5999999	0.9100746	0.2108358	0.1929638	0.0195760
14.6999999	0.9290632	0.2577438	0.1786766	0.0213347
14.8000000	0.9458100	0.3192432	0.1369347	0.0234711
14.8879999	0.9554958	0.3782256	0.0514213	0.0256384
15.0000000	0.9528954	0.2679626	-0.0372031	0.0180355
15.1999999	0.9404599	0.1684303	-0.0559115	0.0116755
15.4000000	0.9305308	0.1250005	-0.0426913	0.0085772
15.5999999	0.9233834	0.1017685	-0.0304230	0.0068089
15.8000000	0.9183616	0.0873105	-0.0210825	0.0056848
16.0000000	0.9149504	0.0773272	-0.0139077	0.0049105
16.2500000	0.9124573	0.0684437	-0.0069353	0.0042335
16.5000000	0.9114828	0.0618407	-0.0014613	0.0037490
16.7500000	0.9117267	0.0565727	0.0029913	0.0033882
17.0000000	0.9129784	0.0524769	0.0067144	0.0031120
17.2500000	0.9150839	0.0489774	0.0098972	0.0028967
17.5000000	0.9179270	0.0459984	0.0126682	0.0027263
17.7500000	0.9214180	0.0434207	0.0151175	0.0025903
18.0000000	0.9254857	0.0411601	0.0173100	0.0024807
18.5000000	0.9351797	0.0374051	0.0211314	0.0023222
19.0000000	0.9466171	0.0343548	0.0243827	0.0022173
19.5000000	0.9595624	0.0318133	0.0272252	0.0021473
20.0000000	0.9738423	0.0296507	0.0297628	0.0021006
21.0000000	1.0060109	0.0261927	0.0342164	0.0020519
23.0000000	1.0826353	0.0214474	0.0416709	0.0020377
25.0000000	1.1726943	0.0181391	0.0479854	0.0020520
30.0000000	1.4495701	0.0132429	0.0617922	0.0021065
40.0000000	2.1958319	0.0085582	0.0864090	0.0021708
60.0000000	4.3953248	0.0046083	0.1326909	0.0022128
80.0000000	7.5034662	0.0022030	0.1778444	0.0022232
100.0000000	11.5091000	0.	0.2227190	0.0022272

53

X= 101.8999996

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0119846	-0.0087901	0.0240846	0.0064096
6.0000000	0.0766625	-0.0053272	0.0416634	0.0070235
8.0000000	0.1786361	-0.0014019	0.0616400	0.0077070
9.0000000	0.2456041	0.0025169	0.0727946	0.0080931
9.5000000	0.2834585	0.0049840	0.0787923	0.0083105
10.0000000	0.3243964	0.0078687	0.0851713	0.0085534
10.5000000	0.3686298	0.0112852	0.0920380	0.0088312
10.8000000	0.3968840	0.0136746	0.0964501	0.0090199
11.0000000	0.4164766	0.0154412	0.0995427	0.0091576
13.0000000	0.6471554	0.0420151	0.1437652	0.0115214
14.0000000	0.8051335	0.0852530	0.1878789	0.0147369
14.2500000	0.8539720	0.1165862	0.2057601	0.0165961
14.5000000	0.9080136	0.1707883	0.2297522	0.0197433
14.5999999	0.9315322	0.2105540	0.2400297	0.0218693
14.6999999	0.9560195	0.2687640	0.2465090	0.0248090
14.8000000	0.9808340	0.3671664	0.2320017	0.0293461
14.8879999	1.0000000	0.5118555	0.0470404	0.0345253
15.0000000	0.9809281	0.2636324	-0.1521561	0.0202927
15.1999999	0.9569714	0.1527310	-0.0956469	0.0118558
15.4000000	0.9426694	0.1150461	-0.0592163	0.0084020
15.5999999	0.9332849	0.0951577	-0.0394616	0.0066036
15.8000000	0.9268847	0.0825998	-0.0269087	0.0054982
16.0000000	0.9225214	0.0737771	-0.0180640	0.0047473
16.2500000	0.9191781	0.0657902	-0.0099049	0.0040943
16.5000000	0.9175689	0.0597670	-0.0037277	0.0036293
16.7500000	0.9173143	0.0549992	0.0011817	0.0032843
17.0000000	0.9181598	0.0510932	0.0052225	0.0030211
17.2500000	0.9199255	0.0478115	0.0086378	0.0028165
17.5000000	0.9224787	0.0450007	0.0115853	0.0026553
17.7500000	0.9257182	0.0425563	0.0141727	0.0025270
18.0000000	0.9295650	0.0404034	0.0164756	0.0024241
18.5000000	0.9388911	0.0368067	0.0204639	0.0022764
19.0000000	0.9500289	0.0338690	0.0238330	0.0021797
19.5000000	0.9627240	0.0314107	0.0267619	0.0021162
20.0000000	0.9767908	0.0293121	0.0293647	0.0020745
21.0000000	1.0086178	0.0259421	0.0339104	0.0020331
23.0000000	1.0847724	0.0212909	0.0414713	0.0020268
25.0000000	1.1745031	0.0180348	0.0478403	0.0020451
30.0000000	1.4508919	0.0131920	0.0617117	0.0021035
40.0000000	2.1966868	0.0085400	0.0863713	0.0021698
60.0000000	4.3957855	0.0046044	0.1326750	0.0022126
80.0000000	7.5036865	0.0022018	0.1778329	0.0022231
100.0000000	11.5091000	0.	0.2227085	0.0022271

X= 102.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0110944	-0.0090150	0.0241579	0.0064463
6.0000000	0.0760178	-0.0065668	0.0418472	0.0070599
8.0000000	0.1784831	-0.0016992	0.0619808	0.0077505
9.0000000	0.2458380	0.0021560	0.0732500	0.0081424
9.5000000	0.2839368	0.0045747	0.0793220	0.0083636
10.0000000	0.3251600	0.0073950	0.0857940	0.0086112
10.5000000	0.3697308	0.0107232	0.0927817	0.0088952
10.8000000	0.3982205	0.0130418	0.0972859	0.0090885
11.0000000	0.4179870	0.0147511	0.1004516	0.0092299
13.0000000	0.6512701	0.0401950	0.1459850	0.0117217
14.0000000	0.8134269	0.0800201	0.1933825	0.0152795
14.2500000	0.8652867	0.1079410	0.2224027	0.0173483
14.5000000	0.9246283	0.1561429	0.2646572	0.0211921
14.5999999	0.9521856	0.1921631	0.2909400	0.0238817
14.6999999	0.9828162	0.2441810	0.3312185	0.0279930
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.9710063	0.1216479	-0.1239161	0.0114242
15.4000000	0.9535401	0.1005490	-0.0714780	0.0060108
15.5999999	0.9424150	0.0856622	-0.0466462	0.0063089
15.8000000	0.9348816	0.0769213	-0.0317729	0.0052674
16.0000000	0.9297059	0.0696622	-0.0216490	0.0045593
16.2500000	0.9256154	0.0628052	-0.0125393	0.0039412
16.5000000	0.9234362	0.0574794	-0.0057776	0.0035012
16.7500000	0.9227266	0.0531775	-0.0034782	0.0031749
17.0000000	0.9231971	0.0496012	0.0038393	0.0029264
17.2500000	0.9246462	0.0465632	0.0074602	0.0027337
17.5000000	0.9269272	0.0439385	0.0105661	0.0025823
17.7500000	0.9299293	0.0416399	0.0132785	0.0024623
18.0000000	0.9335665	0.0396042	0.0156823	0.0023664
18.5000000	0.9425410	0.0361783	0.0198245	0.0022299
19.0000000	0.9533909	0.0333611	0.0233035	0.0021418
19.5000000	0.9658446	0.0309914	0.0263138	0.0020849
20.0000000	0.9797048	0.0289605	0.0289785	0.0020484
21.0000000	1.0111993	0.0256832	0.0336120	0.0020143
23.0000000	1.0868935	0.0211301	0.0412755	0.0020161
25.0000000	1.1763013	0.0179279	0.0476975	0.0020382
30.0000000	1.4522085	0.0131401	0.0616320	0.0021006
40.0000000	2.1975399	0.0085214	0.0863338	0.0021688
60.0000000	4.3962457	0.0046006	0.1326592	0.0022123
80.0000000	7.5039065	0.0022003	0.1778214	0.0022229
100.0000000	11.5091000	0.	0.2226980	0.0022270

X= 102.0999994

X= 102.0999994

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0101816	-0.0092430	0.0242307	0.0064834
6.0000000	0.0753491	-0.0068093	0.0420292	0.0070962
8.0000000	0.1782982	-0.0020018	0.0623163	0.0077935
9.0000000	0.2460353	0.0017870	0.0736966	0.0081909
9.5000000	0.2843735	0.0041549	0.0798401	0.0084156
10.0000000	0.3258754	0.0069072	0.0864010	0.0086677
10.5000000	0.3707745	0.0101415	0.0935033	0.0089573
10.8000000	0.3994924	0.0123839	0.0980939	0.0091549
11.0000000	0.4194268	0.0140311	0.1013279	0.0092995
13.0000000	0.6551944	0.0382181	0.1499233	0.0119014
14.0000000	0.8211375	0.0737070	0.2073413	0.0157180
14.2500000	0.8755602	0.0961578	0.2362092	0.0178970
14.5000000	0.9392421	0.1321476	0.2922274	0.0221185
14.5999999	0.9699648	0.1563323	0.3298179	0.0249995
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.9813010	0.0877723	-0.1221574	0.0098961
15.4000000	0.9627792	0.0841923	-0.0767092	0.0073959
15.5999999	0.9506173	0.0770924	-0.0512754	0.0059351
15.8000000	0.9422690	0.0705955	-0.0354087	0.0049986
16.0000000	0.9364538	0.0651330	-0.0245348	0.0043500
16.2500000	0.9317392	0.0595602	-0.0147780	0.0037764
16.5000000	0.9290648	0.0550163	-0.0075788	0.0033658
16.7500000	0.9279498	0.0512302	-0.0019695	0.0030608
17.0000000	0.9280800	0.0480153	0.0025768	0.0028285
17.2500000	0.9292381	0.0452420	0.0063726	0.0026486
17.5000000	0.9312664	0.0428183	0.0096160	0.0025077
17.7500000	0.9340462	0.0406767	0.0124390	0.0023964
18.0000000	0.9374859	0.0387663	0.0149331	0.0023079
18.5000000	0.9461267	0.0355223	0.0192152	0.0021830
19.0000000	0.9567011	0.0329325	0.0227956	0.0021037
19.5000000	0.9689223	0.0305562	0.0258818	0.0020536
20.0000000	0.9825829	0.0285965	0.0286047	0.0020224
21.0000000	1.0137545	0.0254163	0.0333217	0.0019956
23.0000000	1.0889984	0.0209652	0.0410835	0.0020054
25.0000000	1.1780886	0.0178182	0.0475569	0.0020314
30.0000000	1.4535199	0.0130875	0.0615532	0.0020976
40.0000000	2.1983911	0.0085022	0.0862966	0.0021679
60.0000000	4.3967056	0.0045964	0.1326434	0.0022120
80.0000000	7.5041265	0.0021994	0.1778099	0.0022228
100.0000000	11.5091000	0.	0.2226875	0.0022269

X= 102.1999998

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0092458	-0.0094741	0.0243031	0.0065211
6.0000000	0.0746560	-0.0070548	0.0422092	0.0071325
8.0000000	0.1780828	-0.0023094	0.0626462	0.0078361
9.0000000	0.2461954	0.0014103	0.0741340	0.0082386
9.5000000	0.2847677	0.0037251	0.0803460	0.0084666
10.0000000	0.3265414	0.0054065	0.0869913	0.0087227
10.5000000	0.3717590	0.0095412	0.0942012	0.0090174
10.8000000	0.4006973	0.0117029	0.0988722	0.0092187
11.0000000	0.4207933	0.0132839	0.1021690	0.0093663
13.0000000	0.6589137	0.0361063	0.1525231	0.0120568
14.0000000	0.8281683	0.0665812	0.2141705	0.0160201
14.2500000	0.8845182	0.0822901	0.2457788	0.0181887
14.5000000	0.9510577	0.1027058	0.3074330	0.0223541
14.5999999	0.9834520	0.1115465	0.3484610	0.0250602
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.9885607	0.0617579	-0.1118524	0.0084059
15.4000000	0.9703785	0.0686978	-0.0768180	0.0066919
15.5999999	0.9578335	0.0673500	-0.0534446	0.0055115
15.8000000	0.9490007	0.0639920	-0.0377526	0.0047024
16.0000000	0.9427325	0.0603648	-0.0266652	0.0041245
16.2500000	0.9375274	0.0551379	-0.0165860	0.0036023
16.5000000	0.9344395	0.0524217	-0.0091096	0.0032247
16.7500000	0.9329726	0.0491831	-0.0032786	0.0029428
17.0000000	0.9328001	0.0463515	0.0014440	0.0027279
17.2500000	0.9336946	0.0438583	0.0053814	0.0025616
17.5000000	0.9354908	0.0416477	0.0087399	0.0024317
17.7500000	0.9380646	0.0396718	0.0116577	0.0023295
18.0000000	0.9413197	0.0378937	0.0142308	0.0022488
18.5000000	0.9496455	0.0348403	0.0186377	0.0021358
19.0000000	0.9599574	0.0322847	0.0223103	0.0020654
19.5000000	0.9719558	0.0301063	0.0254666	0.0020222
20.0000000	0.9854241	0.0282207	0.0282439	0.0019963
21.0000000	1.0162826	0.0251415	0.0330397	0.0019770
23.0000000	1.0910666	0.0207960	0.0408956	0.0019948
25.0000000	1.1798649	0.0177064	0.0474186	0.0020247
30.0000000	1.4548260	0.0130340	0.0614753	0.0020947
40.0000000	2.1992403	0.0084822	0.0862597	0.0021669
60.0000000	4.3971650	0.0045916	0.1326277	0.0022118
80.0000000	7.5043464	0.0021988	0.1777984	0.0022226
100.0000000	11.5091000	0.	0.2226770	0.0022268

100.0000000	11.5091000	0.	0.2226770	0.0022268

X= 102.3999996

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0073045	-0.0099453	0.0244477	0.0065983
6.0000000	0.0731957	-0.0075541	0.0425636	0.0072048
8.0000000	0.1775589	-0.0029392	0.0632888	0.0079196
9.0000000	0.2464013	0.0006353	0.0749801	0.0083314
9.5000000	0.2854258	0.0028381	0.0813197	0.0085652
10.0000000	0.3277211	0.0053679	0.0881196	0.0088283
10.5000000	0.3735455	0.0082924	0.0955225	0.0091316
10.8000000	0.4028995	0.0102815	0.1003342	0.0093389
11.0000000	0.4232980	0.0117205	0.1037389	0.0094908
13.0000000	0.6657004	0.0315985	0.1565961	0.0122886
14.0000000	0.8399939	0.0514288	0.2206717	0.0161847
14.2500000	0.8980605	0.0566049	0.2508501	0.0180157
14.5000000	0.9654190	0.0506133	0.2984988	0.0208800
14.5999999	0.9964314	0.0413685	0.3229955	0.0223037
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.9965768	0.0304014	-0.0859981	0.0060009
15.4000000	0.9811998	0.0447754	-0.0679948	0.0052866
15.5999999	0.9693789	0.0501169	-0.0518268	0.0046215
15.8000000	0.9604691	0.0514025	-0.0388549	0.0040782
16.0000000	0.9538369	0.0508800	-0.0286979	0.0036509
16.2500000	0.9480572	0.0491461	-0.0198858	0.0032400
16.5000000	0.9443940	0.0470478	-0.0113320	0.0029329
16.7500000	0.9423911	0.0449131	-0.0053265	0.0027002
17.0000000	0.9417307	0.0428687	-0.0004141	0.0025218
17.2500000	0.9421841	0.0409582	0.0037017	0.0023841
17.5000000	0.9435816	0.0391913	0.0072200	0.0022772
17.7500000	0.9457941	0.0375629	0.0102780	0.0021940
18.0000000	0.9487206	0.0360629	0.0129737	0.0021292
18.5000000	0.9564750	0.0334129	0.0175824	0.0020409
19.0000000	0.9663030	0.0311388	0.0214107	0.0019889
19.5000000	0.9778856	0.0291664	0.0246889	0.0019596
20.0000000	0.9909919	0.0274371	0.0275628	0.0019445
21.0000000	1.0212551	0.0245701	0.0325015	0.0019402
23.0000000	1.0952115	0.0204455	0.0405321	0.0019738
25.0000000	1.1833836	0.0174759	0.0471494	0.0020114
30.0000000	1.4574220	0.0129240	0.0613221	0.0020890
40.0000000	2.2009327	0.0084409	0.0861865	0.0021650
60.0000000	4.3980823	0.0045804	0.1325963	0.0022113
80.0000000	7.5047862	0.0021974	0.1777754	0.0022224
100.0000000	11.5091000	0.	0.2226559	0.0022266

X= 102.5998993

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0052687	-0.0104275	0.0245953	0.0066786
6.0000000	0.0716352	-0.0080637	0.0429097	0.0072768
8.0000000	0.1769075	-0.0035867	0.0639068	0.0080009
9.0000000	0.2464495	-0.0001652	0.0757850	0.0084206
9.5000000	0.2859028	0.0019192	0.0822386	0.0086590
10.0000000	0.3286881	0.0042891	0.0891725	0.0089276
10.5000000	0.3750753	0.0069901	0.0967357	0.0092369
10.8000000	0.4048090	0.0087965	0.1016593	0.0094481
11.0000000	0.4254805	0.0100853	0.1051460	0.0096026
13.0000000	0.6715505	0.0268803	0.1591355	0.0124146
14.0000000	0.8487362	0.0367793	0.2198246	0.0159200
14.2500000	0.9063573	0.0315120	0.2451320	0.0173438
14.5000000	0.9713022	0.0158215	0.2792072	0.0192866
14.5999999	1.0000000	-0.0056650	0.2947491	0.0201920
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.	0.	0.	0.
15.4000000	0.9882861	0.0297903	-0.0573361	0.0041957
15.5999999	0.9778767	0.0359875	-0.0468209	0.0038249
15.8000000	0.9695577	0.0406306	-0.0369911	0.0034777
16.0000000	0.9630803	0.0421562	-0.0284795	0.0031797
16.2500000	0.9571816	0.0423717	-0.0196518	0.0028743
16.5000000	0.9532544	0.0416792	-0.0124956	0.0026371
16.7500000	0.9509338	0.0405676	-0.0066215	0.0024540
17.0000000	0.9499436	0.0392831	-0.0017194	0.0023130
17.2500000	0.9500741	0.0379502	0.0024401	0.0022046
17.5000000	0.9511637	0.0366318	0.0060242	0.0021214
17.7500000	0.9530862	0.0353588	0.0091555	0.0020577
18.0000000	0.9557414	0.0341455	0.0119246	0.0020093
18.5000000	0.9630075	0.0319149	0.0166685	0.0019462
19.0000000	0.9724099	0.0299362	0.0206121	0.0019129
19.5000000	0.9836195	0.0281803	0.0239863	0.0018978
20.0000000	0.9963962	0.0266157	0.0269396	0.0018935
21.0000000	1.0261082	0.0239724	0.0320004	0.0019040
23.0000000	1.0992628	0.0200807	0.0401863	0.0019532
25.0000000	1.1868535	0.0172365	0.0468905	0.0019983
30.0000000	1.4599944	0.0128101	0.0611728	0.0020833
40.0000000	2.2026159	0.0083985	0.0861144	0.0021631
60.0000000	4.3989967	0.0045686	0.1325652	0.0022107
80.0000000	7.5052252	0.0021946	0.1777526	0.0022221
100.0000000	11.5091000	0.	0.2226349	0.0022263

X= 102.7999992

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0031334	-0.0109217	0.0247344	0.0067596
6.0000000	0.0699701	-0.0085835	0.0432477	0.0073485
8.0000000	0.1761241	-0.0042512	0.0644997	0.0080800
9.0000000	0.2463351	-0.0009890	0.0765480	0.0085060
9.5000000	0.2861933	0.0009724	0.0831014	0.0087481
10.0000000	0.3294365	0.0031765	0.0901479	0.0090204
10.5000000	0.3763412	0.0056468	0.0978380	0.0093334
10.8000000	0.4064177	0.0072655	0.1028441	0.0095463
11.0000000	0.4273318	0.0084015	0.1063873	0.0097017
13.0000000	0.6764516	0.0221463	0.1603542	0.0124520
14.0000000	0.8547029	0.0240561	0.2147172	0.0154329
14.2500000	0.9106613	0.0149528	0.2340786	0.0164600
14.5000000	0.9717421	-0.0031268	0.2531595	0.0174606
14.5999999	0.9974115	-0.0150980	0.2586538	0.0177462
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.	0.	0.	0.
15.4000000	0.9931137	0.0202848	-0.0482367	0.0033979
15.5999999	0.9841716	0.0274698	-0.0409857	0.0031628
15.8000000	0.9767194	0.0319991	-0.0336848	0.0029406
16.0000000	0.9706977	0.0346386	-0.0268481	0.0027391
16.2500000	0.9650045	0.0361700	-0.0192662	0.0025219
16.5000000	0.9610646	0.0365650	-0.0127745	0.0023474
16.7500000	0.9586173	0.0363171	-0.0072427	0.0022109
17.0000000	0.9574433	0.0357128	-0.0025075	0.0021059
17.2500000	0.9573636	0.0349178	0.0015811	0.0020263
17.5000000	0.9582338	0.0340289	0.0051471	0.0019666
17.7500000	0.9599371	0.0331030	0.0082892	0.0019225
18.0000000	0.9623784	0.0321739	0.0110849	0.0018905
18.5000000	0.9692406	0.0303659	0.0158988	0.0018528
19.0000000	0.9782772	0.0286888	0.0199170	0.0018381
19.5000000	0.9891575	0.0271560	0.0233608	0.0018370
20.0000000	1.0016380	0.0257616	0.0263759	0.0018435
21.0000000	1.0308440	0.0233509	0.0315372	0.0018686
23.0000000	1.1032437	0.0197020	0.0398585	0.0019331
25.0000000	1.1902782	0.0169888	0.0466419	0.0019856
30.0000000	1.4625461	0.0126928	0.0610273	0.0020778
40.0000000	2.2042921	0.0083550	0.0860434	0.0021612
60.0000000	4.3999097	0.0045561	0.1325343	0.0022102
80.0000000	7.5056641	0.0021916	0.1777297	0.0022218
100.0000000	11.5091000	0.	0.2226138	0.0022261

X= 103.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.0008990	-0.0114263	0.0248843	0.0068456
6.0000000	0.0682009	-0.0091120	0.0435769	0.0074199
8.0000000	0.1752066	-0.0049302	0.0650658	0.0081565
9.0000000	0.2460539	-0.0018311	0.0772665	0.0085876
9.5000000	0.2862919	0.0000047	0.0839052	0.0088321
10.0000000	0.3299591	0.0020405	0.0910428	0.0091066
10.5000000	0.3773347	0.0042784	0.0988263	0.0094208
10.8000000	0.4077161	0.0057105	0.1038864	0.0096336
11.0000000	0.4288421	0.0066961	0.1074619	0.0097882
13.0000000	0.6804117	0.0175578	0.1605620	0.0124245
14.0000000	0.8583622	0.0137103	0.2083229	0.0149124
14.2500000	0.9123412	0.0039959	0.2233801	0.0156783
14.5000000	0.9700522	-0.0115381	0.2367463	0.0163467
14.5999999	0.9939629	-0.0193905	0.2410070	0.0165607
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.	0.	0.	0.
15.4000000	0.9964028	0.0139613	-0.0398982	0.0027448
15.5999999	0.9888682	0.0206883	-0.0351036	0.0026120
15.8000000	0.9823613	0.0253075	-0.0298208	0.0024754
16.0000000	0.9769399	0.0284076	-0.0244571	0.0023428
16.2500000	0.9716538	0.0307082	-0.0181107	0.0021939
16.5000000	0.9678845	0.0318655	-0.0123782	0.0020718
16.7500000	0.9654647	0.0322929	-0.0073036	0.0019766
17.0000000	0.9642327	0.0322597	-0.0028393	0.0019050
17.2500000	0.9640450	0.0319392	0.0010924	0.0018526
17.5000000	0.9647789	0.0314427	0.0045718	0.0018156
17.7500000	0.9663310	0.0308421	0.0076709	0.0017905
18.0000000	0.9686144	0.0301842	0.0104509	0.0017746
18.5000000	0.9751570	0.0287892	0.0152741	0.0017616
19.0000000	0.9838885	0.0274122	0.0193277	0.0017653
19.5000000	0.9944847	0.0261039	0.0228151	0.0017779
20.0000000	1.0067036	0.0248824	0.0258742	0.0017949
21.0000000	1.0354510	0.0227099	0.0311140	0.0018343
23.0000000	1.1071456	0.0193112	0.0395500	0.0019136
25.0000000	1.1936508	0.0157335	0.0464045	0.0019732
30.0000000	1.4650728	0.0125723	0.0608858	0.0020723
40.0000000	2.2059587	0.0083103	0.0859734	0.0021593
60.0000000	4.4008196	0.0045431	0.1325036	0.0022097
80.0000000	7.5061020	0.0021878	0.1777070	0.0022215
100.0000000	11.5091000	0.	0.2225928	0.0022259

X= 103.5000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.0633120	-0.0104809	0.0443039	0.0075878
8.0000000	0.1723128	-0.0066794	0.0663628	0.0083373
9.0000000	0.2446067	-0.0039903	0.0788673	0.0087742
9.5000000	0.2856838	-0.0024667	0.0856565	0.0090202
10.0000000	0.3302632	-0.0008126	0.0929291	0.0092933
10.5000000	0.3786128	0.0008478	0.1008079	0.0096011
10.8000000	0.4095948	0.0018508	0.1058877	0.0098059
11.0000000	0.4311209	0.0024992	0.1094492	0.0099525
13.0000000	0.6863873	0.0074114	0.1579424	0.0121628
14.0000000	0.8594844	-0.0040389	0.1925402	0.0137559
14.2500000	0.9088346	-0.0124211	0.2018760	0.0141935
14.5000000	0.9604224	-0.0231451	0.2101050	0.0145776
14.5999999	0.9815830	-0.0279511	0.2129746	0.0147124
14.6999999	0.	0.	0.	0.
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.	0.	0.	0.
15.4000000	0.	0.	0.	0.
15.5999999	0.9957195	0.0101764	-0.0229235	0.0016077
15.8000000	0.9913874	0.0140802	-0.0201990	0.0015584
16.0000000	0.9876399	0.0172214	-0.0171738	0.0015201
16.2500000	0.9838352	0.0201824	-0.0132302	0.0014851
16.5000000	0.9810247	0.0222723	-0.0093082	0.0014630
16.7500000	0.9791811	0.0236874	-0.0055432	0.0014524
17.0000000	0.9782532	0.0245942	-0.0020031	0.0014515
17.2500000	0.9781796	0.0251248	0.0012872	0.0014584
17.5000000	0.9788967	0.0253802	0.0043274	0.0014712
17.7500000	0.9803433	0.0254362	0.0071305	0.0014883
18.0000000	0.9824620	0.0253490	0.0097156	0.0015082
18.5000000	0.9885604	0.0248700	0.0143274	0.0015514
19.0000000	0.9967894	0.0241894	0.0183112	0.0015968
19.5000000	1.0068717	0.0234192	0.0217989	0.0016407
20.0000000	1.0185882	0.0226212	0.0248925	0.0016818
21.0000000	1.0463995	0.0210462	0.0302332	0.0017541
23.0000000	1.1165534	0.0182913	0.0388640	0.0018675
25.0000000	1.2018557	0.0160659	0.0458609	0.0019437
30.0000000	1.4712826	0.0122578	0.0605504	0.0020593
40.0000000	2.2100856	0.0081939	0.0858035	0.0021548
60.0000000	4.4030830	0.0045093	0.1324277	0.0022084
80.0000000	7.5071933	0.0021765	0.1776504	0.0022208
100.0000000	11.5091000	0.	0.2225402	0.0022254

X= 104.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.0577201	-0.0119213	0.0449609	0.0077524
8.0000000	0.1685272	-0.0084842	0.0674921	0.0085029
9.0000000	0.2420636	-0.0061888	0.0801970	0.0089373
9.5000000	0.2838272	-0.0049517	0.0870569	0.0091787
10.0000000	0.3291205	-0.0036952	0.0943552	0.0094428
10.5000000	0.3781825	-0.0024846	0.1021807	0.0097344
10.8000000	0.4095669	-0.0018319	0.1071690	0.0099245
11.0000000	0.4313413	-0.0014470	0.1106325	0.0100584
13.0000000	0.6678230	-0.0005485	0.1537471	0.0118268
14.0000000	0.8543233	-0.0134767	0.1792097	0.0128368
14.2500000	0.8999200	-0.0201418	0.1851678	0.0130709
14.5000000	0.9469072	-0.0281777	0.1901616	0.0132578
14.5999999	0.9660118	-0.0317408	0.1918238	0.0133173
14.6999999	0.9852719	-0.0353135	0.1932769	0.0133657
14.8000000	0.	0.	0.	0.
14.8879999	0.	0.	0.	0.
15.0000000	0.	0.	0.	0.
15.1999999	0.	0.	0.	0.
15.4000000	0.	0.	0.	0.
15.5999999	0.9990446	0.0045004	-0.0137871	0.0009297
15.8000000	0.9964416	0.0078982	-0.0122084	0.0009203
16.0000000	0.9941613	0.0105444	-0.0104676	0.0009286
16.2500000	0.9918363	0.0132966	-0.0080088	0.0009552
16.5000000	0.9901569	0.0154846	-0.0053684	0.0009933
16.7500000	0.9891521	0.0171841	-0.0026599	0.0010381
17.0000000	0.9888269	0.0184755	0.0000355	0.0010868
17.2500000	0.9891699	0.0194338	0.0026646	0.0011371
17.5000000	0.9901592	0.0201245	0.0051947	0.0011877
17.7500000	0.9917672	0.0206023	0.0076085	0.0012373
18.0000000	0.9939634	0.0209122	0.0098990	0.0012854
18.5000000	1.0000270	0.0211367	0.0141145	0.0013738
19.0000000	1.0080779	0.0210372	0.0178769	0.0014530
19.5000000	1.0179039	0.0207421	0.0212468	0.0015227
20.0000000	1.0293248	0.0203330	0.0242852	0.0015837
21.0000000	1.0564971	0.0193314	0.0296049	0.0016837
23.0000000	1.1254368	0.0172246	0.0383049	0.0018261
25.0000000	1.2097167	0.0153630	0.0453922	0.0019169
30.0000000	1.4773305	0.0119259	0.0602426	0.0020471
40.0000000	2.2141526	0.0080715	0.0856411	0.0021505
60.0000000	4.4053299	0.0044735	0.1323531	0.0022071
80.0000000	7.5082785	0.0021643	0.1775943	0.0022201
100.0000000	11.5091000	0.	0.2224879	0.0022249

X= 105.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.0443242	-0.0149608	0.0461283	0.0080823
8.0000000	0.1582169	-0.0121488	0.0692840	0.0087926
9.0000000	0.2336697	-0.0105010	0.0821222	0.0091990
9.5000000	0.2763981	-0.0097067	0.0889361	0.0094173
10.0000000	0.3226058	-0.0089854	0.0960520	0.0096471
10.5000000	0.3724501	-0.0084123	0.1034927	0.0098890
10.8000000	0.4041827	-0.0081900	0.1081187	0.0100397
11.0000000	0.4261189	-0.0081087	0.1112698	0.0101423
13.0000000	0.6804348	-0.0107882	0.1451212	0.0111940
14.0000000	0.8345376	-0.0207299	0.1607896	0.0115800
14.2500000	0.8751529	-0.0243521	0.1637944	0.0116207
14.5000000	0.9164347	-0.0283630	0.1660316	0.0116163
14.5999999	0.9330741	-0.0300463	0.1666751	0.0116001
14.6999999	0.9497698	-0.0317659	0.1671521	0.0115744
14.8000000	0.9665045	-0.0333580	0.1674638	0.0115374
14.8879999	0.9812503	-0.0359797	0.1674966	0.0115071
15.0000000	1.0000000	-0.0323473	0.1673188	0.0113611
15.1999999	0.	0.	0.	0.
15.4000000	0.	0.	0.	0.
15.5999999	0.	0.	0.	0.
15.8000000	0.9999198	0.0009428	-0.0015520	0.0001149
16.0000000	0.9997089	0.0030721	-0.0005629	0.0001952
16.2500000	0.9997218	0.0051293	0.0007465	0.0003190
16.5000000	1.0000821	0.0069684	0.0021972	0.0004428
16.7500000	1.0008204	0.0085825	0.0037526	0.0005592
17.0000000	1.0019584	0.0099805	0.0053796	0.0006669
17.2500000	1.0035102	0.0111773	0.0070488	0.0007660
17.5000000	1.0054829	0.0121912	0.0087363	0.0008570
17.7500000	1.0078783	0.0130416	0.0104227	0.0009405
18.0000000	1.0106942	0.0137478	0.0120934	0.0010172
18.5000000	1.0175707	0.0147821	0.0153412	0.0011516
19.0000000	1.0260354	0.0154403	0.0184305	0.0012654
19.5000000	1.0360013	0.0158233	0.0213424	0.0013625
20.0000000	1.0473778	0.0160082	0.0240764	0.0014456
21.0000000	1.0741010	0.0159577	0.0290614	0.0015788
23.0000000	1.1415766	0.0150428	0.0375651	0.0017594
25.0000000	1.2243615	0.0138929	0.0446834	0.0018717
30.0000000	1.4889165	0.0112207	0.0597134	0.0020253
40.0000000	2.2220988	0.0078108	0.0853399	0.0021424
60.0000000	4.4097658	0.0043975	0.1322083	0.0022047
80.0000000	7.5104302	0.0021385	0.1774834	0.0022187
100.0000000	11.5091000	0.	0.2223836	0.0022238

X= 106.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.0277984	-0.0181352	0.0471401	0.0084180
8.0000000	0.1442296	-0.0157787	0.0706266	0.0090460
9.0000000	0.2210617	-0.0145555	0.0834137	0.0094082
9.5000000	0.2644139	-0.0140100	0.0900882	0.0095969
10.0000000	0.3111498	-0.0135530	0.0969439	0.0097887
10.5000000	0.3613578	-0.0132422	0.1039665	0.0099816
10.8000000	0.3931868	-0.0131608	0.1082497	0.0100969
11.0000000	0.4151239	-0.0131602	0.1111283	0.0101732
13.0000000	0.6662465	-0.0158376	0.1395984	0.0108072
14.0000000	0.8128635	-0.0216775	0.1520509	0.0109706
14.2500000	0.8512158	-0.0234144	0.1546352	0.0109753
14.5000000	0.8901611	-0.0251869	0.1569475	0.0109624
14.5999999	0.9059193	-0.0258769	0.1577949	0.0109522
14.6999999	0.9217400	-0.0265479	0.1585990	0.0109392
14.8000000	0.9376391	-0.0271907	0.1593615	0.0109233
14.8879999	0.9516916	-0.0277264	0.1600001	0.0109071
15.0000000	0.9696561	-0.0283405	0.1607728	0.0108834
15.1999999	0.	0.	0.	0.
15.4000000	0.	0.	0.	0.
15.5999999	0.	0.	0.	0.
15.8000000	0.	0.	0.	0.
16.0000000	1.0003054	-0.0009445	0.0067197	0.0004241
16.2500000	1.0020948	0.0009305	0.0075767	0.0004698
16.5000000	1.0040938	0.0024719	0.0084447	0.0005333
16.7500000	1.0063172	0.0037988	0.0093082	0.0006046
17.0000000	1.0087879	0.0050088	0.0104145	0.0006798
17.2500000	1.0115244	0.0061035	0.0115074	0.0007551
17.5000000	1.0145416	0.0070868	0.0126520	0.0008287
17.7500000	1.0178504	0.0079642	0.0138349	0.0008993
18.0000000	1.0214590	0.0087425	0.0150444	0.0009667
18.5000000	1.0295913	0.0100235	0.0174996	0.0010901
19.0000000	1.0389586	0.0109990	0.0199593	0.0011994
19.5000000	1.0495506	0.0117262	0.0223826	0.0012958
20.0000000	1.0613412	0.0122554	0.0247445	0.0013807
21.0000000	1.0884125	0.0128462	0.0292325	0.0015205
23.0000000	1.1555225	0.0128974	0.0372725	0.0017148
25.0000000	1.2375026	0.0123887	0.0442654	0.0018387
30.0000000	1.4997719	0.0104740	0.0593027	0.0020073
40.0000000	2.2297743	0.0075315	0.0850727	0.0021351
60.0000000	4.4141239	0.0043162	0.1320695	0.0022023
80.0000000	7.5125555	0.0021113	0.1773744	0.0022173
100.0000000	11.5091000	0.	0.2222800	0.0022228

X= 108.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.1055070	-0.0227014	0.0724551	0.0094910
9.0000000	0.1841606	-0.0218084	0.0850[illegible]0	0.0097566
9.5000000	0.2282906	-0.0213707	0.0914952	0.0098903
10.0000000	0.2756557	-0.0209592	0.0979829	0.0100199
10.5000000	0.3262735	-0.0206032	0.1044886	0.0101429
10.8000000	0.3582056	-0.0204318	0.1083871	0.0102126
11.0000000	0.3801425	-0.0203387	0.1109785	0.0102570
13.0000000	0.6279738	-0.0204386	0.1356526	0.0105526
14.0000000	0.7694950	-0.0214643	0.1466488	0.0105865
14.2500000	0.8064776	-0.0217256	0.1491587	0.0105777
14.5000000	0.8440743	-0.0219749	0.1515586	0.0105616
14.5999999	0.8592770	-0.0220671	0.1524871	0.0105531
14.6999999	0.8745717	-0.0221541	0.1533973	0.0105435
14.8000000	0.8899565	-0.0222351	0.1542890	0.0105326
14.8879999	0.9035681	-0.0223006	0.1550581	0.0105221
15.0000000	0.9209889	-0.0223754	0.1560157	0.0105075
15.1999999	0.9523609	-0.0225401	0.1576608	0.0104779
15.4000000	0.9840532	-0.0235150	0.1591324	0.0104455
15.5999999	0.	0.	0.	0.
15.8000000	0.	0.	0.	0.
16.0000000	0.	0.	0.	0.
16.2500000	0.	0.	0.	0.
16.5000000	1.0028785	-0.0020835	0.0166664	0.0010179
16.7500000	1.0071229	-0.0010604	0.0172893	0.0010341
17.0000000	1.0115232	-0.0002187	0.0179315	0.0010549
17.2500000	1.0160886	0.0005871	0.0186085	0.0010793
17.5000000	1.0208274	0.0013527	0.0193171	0.0011065
17.7500000	1.0257471	0.0020757	0.0200543	0.0011358
18.0000000	1.0308546	0.0027556	0.0208171	0.0011666
18.5000000	1.0416505	0.0039869	0.0224055	0.0012301
19.0000000	1.0532600	0.0050531	0.0240600	0.0012939
19.5000000	1.0657105	0.0059659	0.0257597	0.0013560
20.0000000	1.0790198	0.0067394	0.0274871	0.0014151
21.0000000	1.1082440	0.0079133	0.0309627	0.0015218
23.0000000	1.1771233	0.0091250	0.0377566	0.0016889
25.0000000	1.2592706	0.0095342	0.0441911	0.0018083
30.0000000	1.5191944	0.0089359	0.0588254	0.0019833
40.0000000	2.2442622	0.0069328	0.0846433	0.0021232
60.0000000	4.4225883	0.0041396	0.1318115	0.0021979
80.0000000	7.5167220	0.0020522	0.1771628	0.0022147
100.0000000	11.5091000	0.	0.2220750	0.0022207

X= 110.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.0534239	-0.0294438	0.0740734	0.0099638
9.0000000	0.1338280	-0.0285758	0.0869388	0.0101683
9.5000000	0.1789311	-0.0279542	0.0934849	0.0102710
10.0000000	0.2273129	-0.0271704	0.1000138	0.0103639
10.5000000	0.2789449	-0.0263217	0.1064631	0.0104446
10.8000000	0.3114597	-0.0258179	0.1102811	0.0104873
11.0000000	0.3337690	-0.0254909	0.1128026	0.0105134
13.0000000	0.5844921	-0.0226529	0.1367965	0.0106661
14.0000000	0.7270061	-0.0214261	0.1478865	0.0106736
14.2500000	0.7643135	-0.0210882	0.1505511	0.0106681
14.5000000	0.8022816	-0.0207314	0.1531726	0.0106599
14.5999999	0.8176509	-0.0205813	0.1542092	0.0106559
14.6999999	0.8331235	-0.0204265	0.1552392	0.0106515
14.8000000	0.8486987	-0.0202669	0.1562625	0.0106467
14.8879999	0.8624893	-0.0201216	0.1571575	0.0106421
15.0000000	0.8801546	-0.0199301	0.1582891	0.0106359
15.1999999	0.9120137	-0.0195674	0.1602898	0.0106237
15.4000000	0.9442705	-0.0191736	0.1622658	0.0106100
15.5999999	0.9769200	-0.0194603	0.1641944	0.0105989
15.8000000	0.	0.	0.	0.
16.0000000	0.	0.	0.	0.
16.2500000	0.	0.	0.	0.
16.5000000	0.	0.	0.	0.
16.7500000	1.0020754	-0.0028505	0.0231366	0.0013917
17.0000000	1.0079129	-0.0023757	0.0235952	0.0013950
17.2500000	1.0138730	-0.0016195	0.0240786	0.0013990
17.5000000	1.0199522	-0.0009777	0.0245602	0.0014045
17.7500000	1.0261531	-0.0004271	0.0250586	0.0014120
18.0000000	1.0324916	0.0001005	0.0255808	0.0014212
18.5000000	1.0455387	0.0010863	0.0266895	0.0014439
19.0000000	1.0591711	0.0019792	0.0278756	0.0014708
19.5000000	1.0734143	0.0027815	0.0291276	0.0015005
20.0000000	1.0882987	0.0034969	0.0304348	0.0015317
21.0000000	1.1200657	0.0046928	0.0331708	0.0015952
23.0000000	1.1920227	0.0062257	0.0388934	0.0017125
25.0000000	1.2756394	0.0070681	0.0447132	0.0018107
30.0000000	1.5355153	0.0074211	0.0587164	0.0019728
40.0000000	2.2575053	0.0062997	0.0943523	0.0021147
60.0000000	4.4306824	0.0039478	0.1315815	0.0021940
80.0000000	7.5207644	0.0019875	0.1769604	0.0022121
100.0000000	11.5091000	0.	0.2218731	0.0022187

X= 116.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.0103083	-0.0454661	0.1219240	0.0130125
10.5000000	0.0731818	-0.0383172	0.1291575	0.0128306
10.8000000	0.1125430	-0.0301426	0.1328991	0.0126180
11.0000000	0.1393488	-0.0292921	0.1351543	0.0125720
13.0000000	0.4321567	-0.0222833	0.1574827	0.0122347
14.0000000	0.5951788	-0.0192163	0.1685838	0.0121197
14.2500000	0.6376724	-0.0184707	0.1713677	0.0120955
14.5000000	0.6808627	-0.0177314	0.1741583	0.0120730
14.5999999	0.6983344	-0.0174368	0.1752767	0.0120645
14.6999999	0.7159180	-0.0171427	0.1763965	0.0120563
14.8000000	0.7336137	-0.0168490	0.1775178	0.0120483
14.8879999	0.7492787	-0.0165908	0.1785058	0.0120416
15.0000000	0.7693418	-0.0162624	0.1797648	0.0120333
15.1999999	0.8055198	-0.0156759	0.1820183	0.0120192
15.4000000	0.8421491	-0.0150885	0.1842791	0.0120062
15.5999999	0.8792314	-0.0144993	0.1865479	0.0119943
15.8000000	0.9167683	-0.0137966	0.1888310	0.0119832
16.0000000	0.9547638	-0.0130899	0.1911348	0.0119739
16.2500000	0.	0.	0.	0.
16.5000000	0.	0.	0.	0.
16.7500000	0.	0.	0.	0.
17.0000000	0.	0.	0.	0.
17.2500000	0.	0.	0.	0.
17.5000000	1.0043643	-0.0028472	0.0313047	0.0017962
17.7500000	1.0122490	-0.0026116	0.0317750	0.0017962
18.0000000	1.0202518	-0.0024082	0.0322506	0.0017967
18.5000000	1.0366165	-0.0020035	0.0332214	0.0017990
19.0000000	1.0534732	-0.0016047	0.0342183	0.0018029
19.5000000	1.0708348	-0.0012141	0.0352404	0.0018083
20.0000000	1.0887136	-0.0008339	0.0362865	0.0018148
21.0000000	1.1260579	-0.0001093	0.0384442	0.0018307
23.0000000	1.2073464	0.0011689	0.0429744	0.0018691
25.0000000	1.2979555	0.0022016	0.0477192	0.0019108
30.0000000	1.5667350	0.0037876	0.0599298	0.0020016
40.0000000	2.2895105	0.0044767	0.0842362	0.0021089
60.0000000	4.4525831	0.0033301	0.1310643	0.0021851
80.0000000	7.5320845	0.0017708	0.1764129	0.0022053
100.0000000	11.5091000	0.	0.2212886	0.0022129

X= 120.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	-0.0261289	0.1516565	0.0142492
11.0000000	0.0304773	-0.0139750	0.1531162	0.0139775
13.0000000	0.3513061	-0.0126901	0.1697075	0.0130909
14.0000000	0.5256602	-0.0118579	0.1793801	0.0128408
14.2500000	0.5708193	-0.0116321	0.1819148	0.0127920
14.5000000	0.6166176	-0.0113993	0.1844922	0.0127479
14.5999999	0.6351187	-0.0113043	0.1855349	0.0127314
14.6999999	0.6537245	-0.0112083	0.1865843	0.0127157
14.8000000	0.6724356	-0.0111112	0.1876401	0.0127006
14.8879999	0.6889889	-0.0110248	0.1885745	0.0126878
15.0000000	0.7101760	-0.0109138	0.1897705	0.0126723
15.1999999	0.7483444	-0.0107124	0.1919255	0.0126463
15.4000000	0.7869463	-0.0105070	0.1941050	0.0126227
15.5999999	0.8259864	-0.0102976	0.1963086	0.0126012
15.8000000	0.8654697	-0.0100846	0.1985361	0.0125818
16.0000000	0.9054008	-0.0098681	0.2007871	0.0125643
16.2500000	0.9559512	-0.0094823	0.2036406	0.0125453
16.5000000	0.	0.	0.	0.
16.7500000	0.	0.	0.	0.
17.0000000	0.	0.	0.	0.
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	1.0010177	-0.0056408	0.0339803	0.0019506
18.0000000	1.0096326	-0.0026658	0.0347014	0.0019335
18.5000000	1.0272250	-0.0024126	0.0356750	0.0019328
19.0000000	1.0453076	-0.0021569	0.0366621	0.0019329
19.5000000	1.0638871	-0.0019016	0.0376624	0.0019339
20.0000000	1.0829700	-0.0016480	0.0386759	0.0019355
21.0000000	1.1226659	-0.0011486	0.0407411	0.0019408
23.0000000	1.2083289	-0.0002018	0.0450123	0.0019571
25.0000000	1.3027149	0.0006392	0.0494462	0.0019780
30.0000000	1.5781104	0.0022080	0.0609534	0.0020331
40.0000000	2.3051307	0.0034225	0.0844667	0.0021134
60.0000000	4.4650504	0.0029088	0.1308432	0.0021813
80.0000000	7.5388590	0.0016140	0.1761012	0.0022014
100.0000000	11.5091000	0.	0.2209229	0.0022092

X= 124.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	-0.	0.1364898	0.0126379
11.0000000	0.0275489	-0.0005494	0.1389988	0.0126363
13.0000000	0.3306363	-0.0041739	0.1636342	0.0125913
14.0000000	0.5003157	-0.0053043	0.1756964	0.0125555
14.2500000	0.5446158	-0.0055372	0.1787049	0.0125467
14.5000000	0.5896681	-0.0057521	0.1817142	0.0125383
14.5999999	0.6078997	-0.0058335	0.1829184	0.0125350
14.6999999	0.6262518	-0.0059124	0.1841232	0.0125318
14.8000000	0.6447243	-0.0059889	0.1853284	0.0125287
14.8879999	0.6610799	-0.0060544	0.1863896	0.0125261
15.0000000	0.6820312	-0.0061352	0.1877407	0.0125227
15.1999999	0.7198207	-0.0062731	0.1901555	0.0125170
15.4000000	0.7580934	-0.0064033	0.1925738	0.0125117
15.5999999	0.7968502	-0.0065268	0.1949960	0.0125067
15.8000000	0.8360918	-0.0066442	0.1974228	0.0125022
16.0000000	0.8758193	-0.0067561	0.1998545	0.0124980
16.2500000	0.9261633	-0.0068894	0.2029019	0.0124935
16.5000000	0.9772703	-0.0069814	0.2059600	0.0124896
16.7500000	0.	0.	0.	0.
17.0000000	0.	0.	0.	0.
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	0.	0.	0.	0.
18.0000000	0.	0.	0.	0.
18.5000000	1.0173158	-0.0024135	0.0373087	0.0020209
19.0000000	1.0362183	-0.0022464	0.0383058	0.0020196
19.5000000	1.0556216	-0.0020695	0.0393110	0.0020187
20.0000000	1.0755293	-0.0018919	0.0403234	0.0020184
21.0000000	1.1168688	-0.0015367	0.0423702	0.0020190
23.0000000	1.2057319	-0.0008386	0.0465502	0.0020242
25.0000000	1.3030695	-0.0001853	0.0508394	0.0020336
30.0000000	1.5843987	0.0011716	0.0619270	0.0020646
40.0000000	2.3168907	0.0025543	0.0848155	0.0021213
60.0000000	4.4758539	0.0025067	0.1307026	0.0021788
80.0000000	7.5449965	0.0014554	0.1758311	0.0021980
100.0000000	11.5091000	0.	0.2205792	0.0022058

X= 132.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	-0.	0.1291917	0.0119622
11.0000000	0.0260774	-0.0001371	0.1315818	0.0119620
13.0000000	0.3131415	-0.0016354	0.1553438	0.0119502
14.0000000	0.4743911	-0.0024392	0.1671180	0.0119383
14.2500000	0.5165374	-0.0026460	0.1700498	0.0119348
14.5000000	0.5594160	-0.0028552	0.1729769	0.0119311
14.5999999	0.5767722	-0.0029396	0.1741464	0.0119295
14.6999999	0.5942453	-0.0030243	0.1753152	0.0119280
14.8000000	0.6118353	-0.0031095	0.1764834	0.0119264
14.8879999	0.6274110	-0.0031849	0.1775106	0.0119250
15.0000000	0.6473654	-0.0032812	0.1788171	0.0119231
15.1999999	0.6833620	-0.0034547	0.1811473	0.0119198
15.4000000	0.7198243	-0.0036300	0.1834742	0.0119162
15.5999999	0.7567517	-0.0038072	0.1857978	0.0119126
15.8000000	0.7941434	-0.0039865	0.1881180	0.0119089
16.0000000	0.8319989	-0.0041679	0.1904348	0.0119050
16.2500000	0.8799693	-0.0043979	0.1933259	0.0119001
16.5000000	0.9286618	-0.0046316	0.1962114	0.0118949
16.7500000	0.9780750	-0.0138280	0.1988093	0.0118979
17.0000000	0.	0.	0.	0.
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	0.	0.	0.	0.
18.0000000	0.	0.	0.	0.
18.5000000	0.	0.	0.	0.
19.0000000	1.0196623	-0.0019793	0.0401915	0.0021179
19.5000000	1.0390158	-0.0018796	0.0412232	0.0021162
20.0000000	1.0598855	-0.0017794	0.0422567	0.0021147
21.0000000	1.1031767	-0.0015784	0.0443300	0.0021123
23.0000000	1.1959921	-0.0011768	0.0485066	0.0021096
25.0000000	1.2972029	-0.0007849	0.0527274	0.0021093
30.0000000	1.5873649	0.0001169	0.0634812	0.0021160
40.0000000	2.3311530	0.0013565	0.0856133	0.0021406
60.0000000	4.4928014	0.0018162	0.1306055	0.0021770
80.0000000	7.5553748	0.0011561	0.1754075	0.0021926
100.0000000	11.5091000	0.	0.2199650	0.0021996

X= 140.0000000

X= 140.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	-0.	0.1256121	0.0116307
11.0000000	0.0253548	-0.0000527	0.1279363	0.0116306
13.0000000	0.3044698	-0.0006315	0.1510647	0.0116205
14.0000000	0.4612882	-0.0009466	0.1625369	0.0116100
14.2500000	0.5022798	-0.0010275	0.1653938	0.0116068
14.5000000	0.5439851	-0.0011093	0.1682460	0.0116034
14.5999999	0.5608667	-0.0011422	0.1693855	0.0116020
14.6999999	0.5778622	-0.0011752	0.1705243	0.0116006
14.8000000	0.5949715	-0.0012083	0.1716624	0.0115991
14.8879999	0.6101219	-0.0012376	0.1726632	0.0115978
15.0000000	0.6295315	-0.0012749	0.1739359	0.0115960
15.1999999	0.6645458	-0.0013419	0.1762058	0.0115928
15.4000000	0.7000138	-0.0014093	0.1784721	0.0115895
15.5999999	0.7359346	-0.0014771	0.1807349	0.0115860
15.8000000	0.7723077	-0.0015452	0.1829940	0.0115823
16.0000000	0.8091323	-0.0016135	0.1852494	0.0115785
16.2500000	0.8557967	-0.0016994	0.1880633	0.0115736
16.5000000	0.9031639	-0.0017855	0.1908709	0.0115684
16.7500000	0.9512322	-0.0018721	0.1936722	0.0115631
17.0000000	1.0000000	0.	0.1964702	0.0115571
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	0.	0.	0.	0.
18.0000000	0.	0.	0.	0.
18.5000000	0.	0.	0.	0.
19.0000000	1.0045500	-0.0013463	0.0414776	0.0021842
19.5000000	1.0255487	-0.0011374	0.0425083	0.0021807
20.0000000	1.0470582	-0.0010919	0.0435314	0.0021772
21.0000000	1.0916140	-0.0009990	0.0455853	0.0021712
23.0000000	1.1869030	-0.0008068	0.0497241	0.0021622
25.0000000	1.2905104	-0.0006097	0.0539031	0.0021563
30.0000000	1.5862685	-0.0001120	0.0645119	0.0021504
40.0000000	2.3385945	0.0007340	0.0862604	0.0021566
60.0000000	4.5049136	0.0012996	0.1306225	0.0021771
80.0000000	7.5634948	0.0009000	0.1751047	0.0021888
100.0000000	11.5091000	0.	0.2194559	0.0021946

X= 150.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	-0.	0.1253309	0.0116047
11.0000000	0.0252983	-0.0000030	0.1276517	0.0116047
13.0000000	0.3038101	-0.0000344	0.1508537	0.0116041
14.0000000	0.4604627	-0.0000429	0.1624505	0.0116036
14.2500000	0.5014378	-0.0000437	0.1653495	0.0116035
14.5000000	0.5431375	-0.0000440	0.1682484	0.0116033
14.5999999	0.5600203	-0.0000439	0.1694081	0.0116033
14.6999999	0.5770191	-0.0000437	0.1705678	0.0116033
14.8000000	0.5941339	-0.0000434	0.1717276	0.0116032
14.8879999	0.6092908	-0.0000431	0.1727482	0.0116032
15.0000000	0.6287114	-0.0000425	0.1740470	0.0116031
15.1999999	0.6637527	-0.0000410	0.1763663	0.0116030
15.4000000	0.6992579	-0.0000391	0.1786856	0.0116030
15.5999999	0.7352269	-0.0000366	0.1810049	0.0116029
15.8000000	0.7716598	-0.0000334	0.1833244	0.0116028
16.0000000	0.8085567	-0.0000297	0.1856439	0.0116027
16.2500000	0.8553301	-0.0000240	0.1885434	0.0116027
16.5000000	0.9028284	-0.0000172	0.1914432	0.0116026
16.7500000	0.9510517	-0.0000093	0.1943432	0.0116026
17.0000000	1.0000000	0.	0.1972435	0.0116026
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	0.	0.	0.	0.
18.0000000	0.	0.	0.	0.
18.5000000	0.	0.	0.	0.
19.0000000	1.0000000	-0.0002275	0.0414654	0.0021824
19.5000000	1.0209998	-0.0002308	0.0425336	0.0021812
20.0000000	1.0425336	-0.0002324	0.0436018	0.0021801
21.0000000	1.0872035	-0.0002310	0.0457379	0.0021780
23.0000000	1.1829513	-0.0002111	0.0500115	0.0021744
25.0000000	1.2872496	-0.0001729	0.0542901	0.0021716
30.0000000	1.5854623	-0.0000154	0.0650290	0.0021676
40.0000000	2.3434824	0.0004017	0.0867304	0.0021683
60.0000000	4.5152289	0.0008713	0.1306894	0.0021782
80.0000000	7.5?10575	0.0006565	0.1748468	0.0021856
100.0000000	11.5091000	0.	0.2189575	0.0021896

X= 160.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	-0.	0.1253187	0.0116036
11.0000000	0.0252958	-0.0000002	0.1276394	0.0116036
13.0000000	0.3037818	-0.0000019	0.1508464	0.0116036
14.0000000	0.4604299	-0.0000022	0.1624498	0.0116036
14.2500000	0.5014050	-0.0000021	0.1653507	0.0116036
14.5000000	0.5431053	-0.0000021	0.1682517	0.0116036
14.5999999	0.5599885	-0.0000021	0.1694123	0.0116036
14.6999999	0.5769877	-0.0000020	0.1705729	0.0116036
14.8000000	0.5941030	-0.0000020	0.1717335	0.0116036
14.8879599	0.6092605	-0.0000020	0.1727549	0.0116036
15.0000000	0.6286619	-0.0000018	0.1740548	0.0116036
15.1999999	0.6637249	-0.0000018	0.1763757	0.0116037
15.4000000	0.6992322	-0.0000017	0.1786965	0.0116037
15.5999999	0.7352035	-0.0000015	0.1810174	0.0116037
15.8000000	0.7716391	-0.0000013	0.1833382	0.0116037
16.0000000	0.8085388	-0.0000012	0.1856591	0.0116037
16.2500000	0.8553163	-0.0000009	0.1885602	0.0116037
16.5000000	0.9028189	-0.0000006	0.1914612	0.0116037
16.7500000	0.9510468	-0.0000003	0.1943621	0.0116037
17.0000000	1.0000000	0.	0.1972631	0.0116037
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	0.	0.	0.	0.
18.0000000	0.	0.	0.	0.
18.5000000	0.	0.	0.	0.
19.0000000	1.0000000	0.	0.0413232	0.0021749
19.5000000	1.0209334	-0.0000035	0.0424103	0.0021749
20.0000000	1.0424103	-0.0000064	0.0434974	0.0021749
21.0000000	1.0869946	-0.0000102	0.0456706	0.0021748
23.0000000	1.1826811	-0.0000099	0.0500144	0.0021745
25.0000000	1.2870520	-0.0000002	0.0543558	0.0021742
30.0000000	1.5859601	0.0000613	0.0652100	0.0021737
40.0000000	2.3466277	0.0002799	0.0869730	0.0021743
60.0000000	4.5223395	0.0006247	0.1307499	0.0021792
80.0000000	7.5766256	0.0004963	0.1746690	0.0021834
100.0000000	11.5091000	0.	0.2185784	0.0021858

X= 180.0000000

Y	PSI	X-DERIVATIVE	Y-DERIVATIVE	VELOCITY
-0.	0.	0.	0.	0.
0.2500000	0.	0.	0.	0.
0.5000000	0.	0.	0.	0.
1.0000000	0.	0.	0.	0.
1.5000000	0.	0.	0.	0.
2.0000000	0.	0.	0.	0.
3.0000000	0.	0.	0.	0.
4.0000000	0.	0.	0.	0.
6.0000000	0.	0.	0.	0.
8.0000000	0.	0.	0.	0.
9.0000000	0.	0.	0.	0.
9.5000000	0.	0.	0.	0.
10.0000000	0.	0.	0.	0.
10.5000000	0.	0.	0.	0.
10.8000000	-0.	0.	0.1253186	0.0116036
11.0000000	0.0252958	0.0000002	0.1276394	0.0116036
13.0000000	0.3037827	0.0000020	0.1508471	0.0116036
14.0000000	0.4604316	0.0000023	0.1624511	0.0116036
14.2500000	0.5014070	0.0000023	0.1653508	0.0116036
14.5000000	0.5431070	0.0000023	0.1682572	0.0116039
14.5999999	0.5599910	0.0000023	0.1694150	0.0116038
14.6999999	0.5769900	0.0000023	0.1705700	0.0116034
14.8000000	0.5941050	0.0000022	0.1717352	0.0116037
14.8879999	0.6092630	0.0000022	0.1727961	0.0116064
15.0000000	0.6286940	0.0000030	0.1740919	0.0116061
15.1999999	0.6637270	0.0000020	0.1763500	0.0116020
15.4000000	0.6992340	0.0000019	0.1786950	0.0116036
15.5999999	0.7352050	0.0000017	0.1810175	0.0116037
15.8000000	0.7716410	0.0000015	0.1833375	0.0116036
16.0000000	0.8085400	0.0000013	0.1856563	0.0116035
16.2500000	0.8553170	0.0000010	0.1885600	0.0116037
16.5000000	0.9028200	0.0000007	0.1914600	0.0116036
16.7500000	0.9510470	0.0000003	0.1943600	0.0116036
17.0000000	1.0000000	-0.	0.1972640	0.0116038
17.2500000	0.	0.	0.	0.
17.5000000	0.	0.	0.	0.
17.7500000	0.	0.	0.	0.
18.0000000	0.	0.	0.	0.
18.5000000	0.	0.	0.	0.
19.0000000	1.0000000	-0.	0.0414400	0.0021811
19.5000000	1.0209900	0.0000091	0.0425200	0.0021805
20.0000000	1.0425200	0.0000174	0.0436067	0.0021803
21.0000000	1.0872200	0.0000327	0.0457917	0.0021806
23.0000000	1.1931700	0.0000588	0.0501525	0.0021805
25.0000000	1.2878300	0.0000780	0.0545111	0.0021804
30.0000000	1.5876500	0.0001076	0.0654157	0.0021806

PS = -0.

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	0.	0.0023018	1.0000013	-0.0000026
5.0000000	0.	0.0023064	1.0019771	-0.0039581
10.0000000	0.	0.0023112	1.0040617	-0.0081399
15.0000000	0.	0.0023165	1.0063653	-0.0127711
20.0000000	0.	0.0023226	1.0090146	-0.0181104
25.0000000	0.	0.0023298	1.0121659	-0.0244799
30.0000000	0.	0.0023387	1.0160209	-0.0322985
35.0000000	0.	0.0023498	1.0208492	-0.0421330
40.0000000	0.	0.0023640	1.0270232	-0.0547767
45.0000000	0.	0.0023825	1.0350720	-0.0713741
50.0000000	0.	0.0024072	1.0457690	-0.0936328
55.0000000	0.	0.0024406	1.0602773	-0.1241880
60.0000000	0.	0.0024869	1.0803981	-0.1672600
65.0000000	0.	0.0025527	1.1090045	-0.2298910
70.0000000	0.	0.0026490	1.1508107	-0.3243654
75.0000000	0.	0.0027938	1.2137174	-0.4731099
80.0000000	0.	0.0030176	1.3109738	-0.7186523
82.5000000	0.	0.0031772	1.3803098	-0.9052551
85.0000000	0.	0.0033751	1.4662784	-1.1499724
87.5000000	0.	0.0036145	1.5702673	-1.4657391
90.0000000	0.	0.0038836	1.6871847	-1.8465922
92.5000000	0.	0.0041122	1.7865077	-2.1916098
93.5000000	0.	0.0040887	1.7762976	-2.1552331
94.0000000	0.	0.0039973	1.7365811	-2.0157139
94.1999998	0.	0.0039318	1.7081241	-1.9176879
94.5000000	0.	0.0038009	1.6512442	-1.7266073
94.7500000	0.1165800	0.0032211	1.3993710	-0.9582391
95.0000000	0.2331600	0.0033702	1.4641399	-1.1437056
95.5000000	0.4663100	0.0036493	1.5854209	-1.5135595
96.0000000	0.6994700	0.0038106	1.6554714	-1.7405854
97.0000000	1.1658000	0.0042601	1.8246680	-2.3294131
98.0000000	1.6321200	0.0045847	1.9917738	-2.9671629
99.0000000	2.0984400	0.0049681	2.1583339	-3.6584051
99.5000000	2.3316000	0.0051617	2.2424338	-4.0285093
100.0000000	2.5647600	0.0053792	2.3369412	-4.4612939
100.5000000	2.7979000	0.0056176	2.4405203	-4.9561395
101.0000000	3.0310200	0.0058144	2.5259971	-5.3806615
101.3000000	3.2641700	0.0060442	2.6258391	-5.8950310
101.6999998	3.3574300	0.0061412	2.6679707	-6.1180679
101.7999992	3.4040600	0.0061907	2.6895033	-6.2334282
101.8999996	3.4506900	0.0062410	2.7113458	-6.3513960
102.0000000	3.4973300	0.0062921	2.7335279	-6.4721748
102.0999994	3.5439600	0.0063437	2.7559596	-6.5953131
102.1999998	3.5905900	0.0063950	2.7786616	-6.7209601
102.3999996	3.6838500	0.0065024	2.8249039	-6.9800822
102.5998993	3.7771100	0.0066120	2.8724926	-7.2512139
102.7999992	3.8703700	0.0067214	2.9200468	-7.5266731
103.0000000	3.9636400	0.0068351	2.9694414	-7.8175824
103.5000000	4.1967900	0.0069121	3.0028717	-8.0172394
104.0000000	4.4299500	0.0071633	3.1120006	-8.6945474

PSI = -0.

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	4.8962600	0.0076903	3.3409625	-10.1620303
106.0000000	5.3625699	0.0082179	3.5701706	-11.7461177
108.0000000	6.2951900	0.0090383	3.9265904	-14.4181124
110.0000000	7.2278100	0.0098060	4.2600948	-17.1484077
116.0000000	9.9150000	0.0130435	5.6665930	-31.1102753
120.0000000	10.8000000	0.0130909	5.6871826	-31.3440456
124.0000000	10.8000000	0.0125913	5.4701663	-28.9227195
132.0000000	10.8000000	0.0119502	5.1916232	-25.9529514
140.0000000	10.8000000	0.0116205	5.0483820	-24.4861605
150.0000000	10.8000000	0.0116041	5.0412866	-24.4145703
160.0000000	10.8000000	0.0116036	5.0410407	-24.4120915
180.0000000	10.8000000	0.0116036	5.0410637	-24.4123235

PSI = 0.2000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	13.1768681	0.0023019	1.0000417	-0.0000834
5.0000000	13.1647524	0.0023059	1.0017683	-0.0035398
10.0000000	13.1519983	0.0023102	1.0036421	-0.0072975
15.0000000	13.1379883	0.0023149	1.0057007	-0.0114340
20.0000000	13.1220031	0.0023203	1.0080471	-0.0161589
25.0000000	13.1031643	0.0023267	1.0108118	-0.0217405
30.0000000	13.0803751	0.0023344	1.0141521	-0.0285045
35.0000000	13.0522101	0.0023439	1.0182768	-0.0368918
40.0000000	13.0167783	0.0023558	1.0234669	-0.0474846
45.0000000	12.9679822	0.0023729	1.0308642	-0.0626809
50.0000000	12.9020900	0.0023933	1.0397527	-0.0810856
55.0000000	12.8156159	0.0024203	1.0514857	-0.1056221
60.0000000	12.7006342	0.0024565	1.0672219	-0.1389625
65.0000000	12.5457915	0.0025060	1.0886841	-0.1852331
70.0000000	12.3347554	0.0025746	1.1185129	-0.2510711
75.0000000	12.0442749	0.0026721	1.1608701	-0.3476194
80.0000000	11.6423315	0.0028143	1.2226285	-0.4948204
82.5000000	11.3797582	0.0029120	1.2651067	-0.6004949
85.0000000	11.0731471	0.0030339	1.3180636	-0.7372917
87.5000000	10.6929555	0.0033852	1.4706545	-1.1628541
90.0000000	10.2436038	0.0036935	1.6045915	-1.5747139
92.5000000	9.7406362	0.0041471	1.8016603	-2.2459799
93.5000000	9.5306419	0.0043623	1.8951537	-2.5916074
94.0000000	9.4235344	0.0045504	1.9768782	-2.9080473
94.1999998	9.3805597	0.0046030	1.9997057	-2.9988229
94.5000000	9.3166615	0.0046854	2.0355228	-3.1433529
94.7500000	9.2640222	0.0047577	2.0659268	-3.2721864
95.0000000	9.2120295	0.0048335	2.0998411	-3.4093325
95.5000000	9.1103216	0.0049961	2.1705155	-3.7111377
96.0000000	9.0123225	0.0051756	2.2484922	-4.0556723
97.0000000	8.8157699	0.0055818	2.4249408	-4.8803377
98.0000000	8.6427910	0.0060355	2.6220416	-5.8751023
99.0000000	8.5009260	0.0065584	2.8492458	-7.1182014
99.5000000	8.4442987	0.0068421	2.9724636	-7.8355397
100.0000000	8.3975741	0.0071367	3.1004760	-8.6129514
100.5000000	8.3613009	0.0074371	3.2309490	-9.4390311
101.0000000	8.3359320	0.0077359	3.3607650	-10.2947479
101.5000000	8.3218267	0.0080246	3.4862017	-11.1536225
101.6999998	8.3194782	0.0081347	3.5340271	-11.4953475
101.7999992	8.3190045	0.0081884	3.5573581	-11.6547970
101.8999996	8.3189963	0.0082412	3.5802780	-11.8183907
102.0000000	8.3194551	0.0082929	3.6027622	-11.9799951
102.0999994	8.3203824	0.0083436	3.6247878	-12.1390864
102.1999998	8.3217790	0.0083932	3.6463351	-12.2957596
102.3999996	8.3259780	0.0084890	3.6879438	-12.6009297
102.5998993	8.3320657	0.0085799	3.7274255	-12.8937010
102.7999992	8.3400598	0.0086658	3.7647569	-13.1733948
103.0000000	8.3499553	0.0087465	3.7998388	-13.4387747
103.5000000	8.3829812	0.0089260	3.8778052	-14.0373732
104.0000000	8.4279895	0.0090754	3.9426924	-14.5448233

PSI = 0.2000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	8.5537645	0.0092964	4.0387166	-15.3112319
106.0000000	8.7258739	0.0094600	4.1097772	-15.8902681
108.0000000	9.1794631	0.0099734	4.3328374	-17.7734799
110.0000000	9.7177355	0.0104095	4.5222765	-19.4509842
116.0000000	11.4142728	0.0121435	5.2756121	-26.8320825
120.0000000	12.0567800	0.0129729	5.6359528	-30.7639635
124.0000000	12.1379631	0.0125759	5.4634475	-28.8492587
132.0000000	12.2117335	0.0119455	5.1895835	-25.9317765
140.0000000	12.2514209	0.0116165	5.0466756	-24.4689348
150.0000000	12.2545372	0.0116039	5.0412017	-24.4137139
160.0000000	12.2546711	0.0116036	5.0410390	-24.4120741
180.0000000	12.2546673	0.0116036	5.0410679	-24.4123654

PSI = 0.4000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	18.6413839	0.0023019	1.0000387	-0.0000774
5.0000000	18.6246324	0.0023056	1.0016408	-0.0032843
10.0000000	18.6070597	0.0023095	1.0033506	-0.0067124
15.0000000	18.5878146	0.0023138	1.0052140	-0.0104551
20.0000000	18.5659225	0.0023187	1.0073230	-0.0146995
25.0000000	18.5402157	0.0023243	1.0097836	-0.0196630
30.0000000	18.5092485	0.0023311	1.0127250	-0.0256120
35.0000000	18.4703760	0.0023403	1.0167166	-0.0337167
40.0000000	18.4214444	0.0023508	1.0212947	-0.0430428
45.0000000	18.3593473	0.0023641	1.0270390	-0.0548091
50.0000000	18.2795093	0.0023808	1.0343233	-0.0698246
55.0000000	18.1755641	0.0024023	1.0436324	-0.0891686
60.0000000	18.0385387	0.0024298	1.0555950	-0.1142828
65.0000000	17.8527110	0.0024714	1.0736686	-0.1527642
70.0000000	17.5984139	0.0025269	1.0977768	-0.2051183
75.0000000	17.2447486	0.0026096	1.1337254	-0.2853334
80.0000000	16.7422390	0.0027300	1.1860096	-0.4066188
82.5000000	16.4033642	0.0028104	1.2209554	-0.4907320
85.0000000	15.9931834	0.0029331	1.2742646	-0.6237503
87.5000000	15.4912302	0.0030819	1.3388780	-0.7925942
90.0000000	14.8741429	0.0033372	1.4498003	-1.1019209
91.5000000	14.1143385	0.0036948	1.6051590	-1.5765353
93.5000000	13.7575058	0.0039145	1.7006004	-1.8920419
94.0000000	13.5696493	0.0040059	1.7403135	-2.0286915
94.1999998	13.4929659	0.0040448	1.7572357	-2.0878772
94.5000000	13.3764153	0.0041061	1.7838373	-2.1820755
94.7500000	13.2776677	0.0041599	1.8072189	-2.2660402
95.0000000	13.1780667	0.0042165	1.8318100	-2.3555279
95.5000000	12.9745462	0.0046266	2.0099617	-3.0399460
96.0000000	12.7646831	0.0047810	2.0770394	-3.3140927
97.0000000	12.3468701	0.0051508	2.2377223	-4.0074012
98.0000000	11.9402649	0.0056490	2.4541332	-5.0227695
99.0000000	11.5632637	0.0063827	2.7728854	-6.6888933
99.5000000	11.3937271	0.0069203	3.0064652	-8.0388329
100.0000000	11.2411560	0.0076448	3.3212031	-10.0303897
100.5000000	11.1085467	0.0086616	3.7629278	-13.1595258
101.0000000	10.9978418	0.0084248	3.6600713	-12.3961220
101.5000000	10.8961027	0.0097598	4.2400163	-16.9777379
101.6999998	10.8621156	0.0104346	4.5331913	-19.5498235
101.7999992	10.8465087	0.0107885	4.6869303	-20.9673154
101.8999996	10.8318076	0.0111455	4.8420377	-22.4453294
102.0000000	10.8180051	0.0114974	4.9948999	-23.9490247
102.0999994	10.8050927	0.0118351	5.1416359	-25.4364195
102.1999998	10.7927712	0.0092223	4.0065234	-15.0522294
102.3999996	10.7703673	0.0093539	4.0636826	-15.5135157
102.5998993	10.7514789	0.0094731	4.1154661	-15.9370613
102.7999992	10.7359856	0.0095795	4.1616985	-16.3197351
103.0000000	10.7238073	0.0096729	4.2022784	-16.6591439
103.5000000	10.7070932	0.0098513	4.2797943	-17.3166389
104.0000000	10.7085509	0.0099653	4.3293165	-17.7429817

PSI = 0.4000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	10.7604568	0.0100532	4.3574973	-18.0750322
106.0000000	10.8621155	0.0106103	4.6095272	-20.2477412
108.0000000	11.1602494	0.0105838	4.5980136	-20.1417303
110.0000000	11.5283197	0.0106716	4.6361706	-20.4940779
116.0000000	12.7803560	0.0122221	5.3097498	-27.1934433
120.0000000	13.2792817	0.0128056	5.5632730	-29.9500065
124.0000000	13.4087929	0.0125503	5.4523316	-28.7279198
132.0000000	13.5386584	0.0119366	5.1857452	-25.8919535
140.0000000	13.6091771	0.0116087	5.0432854	-24.4347272
150.0000000	13.6140330	0.0116036	5.0410357	-24.4120409
160.0000000	13.6142313	0.0116036	5.0410362	-24.4120464
180.0000000	13.6142225	0.0116036	5.0410610	-24.4122958

PSI = 0.6000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	22.8257022	0.0023018	0.9999845	0.0000309
5.0000000	22.8051085	0.0023053	1.0015005	-0.0030033
10.0000000	22.7836132	0.0023089	1.0030614	-0.0061322
15.0000000	22.7601392	0.0023128	1.0047542	-0.0095309
20.0000000	22.7335145	0.0023171	1.0066579	-0.0133601
25.0000000	22.7023592	0.0023222	1.0088613	-0.0178011
30.0000000	22.6649811	0.0023282	1.0114693	-0.0230701
35.0000000	22.6152324	0.0023354	1.0146079	-0.0294291
40.0000000	22.5623286	0.0023442	1.0184316	-0.0372030
45.0000000	22.4905791	0.0023551	1.0231284	-0.0467918
50.0000000	22.3990176	0.0023684	1.0289239	-0.0586843
55.0000000	22.2808495	0.0023849	1.0360768	-0.0734551
60.0000000	22.1266465	0.0024051	1.0448563	-0.0917246
65.0000000	21.9231169	0.0024295	1.0554698	-0.1140166
70.0000000	21.6511612	0.0024580	1.0678726	-0.1403519
75.0000000	21.2825809	0.0024889	1.0812908	-0.1691898
80.0000000	20.7607098	0.0025032	1.1309256	-0.2789928
82.5000000	20.4083438	0.0026176	1.1371830	-0.2931852
85.0000000	19.9872060	0.0027395	1.1901503	-0.4164577
87.5000000	19.4653010	0.0028266	1.2279756	-0.5079240
90.0000000	18.8139920	0.0029266	1.2714521	-0.6165905
92.5000000	17.9837146	0.0031590	1.3723982	-0.8834768
93.5000000	17.5777903	0.0032302	1.4033070	-0.9692705
94.0000000	17.3558099	0.0033094	1.4377503	-1.0671258
94.1999998	17.2631028	0.0033047	1.4357117	-1.0612682
94.5000000	17.1197155	0.0033974	1.4759704	-1.1784887
94.7500000	16.9959464	0.0035013	1.5211037	-1.3137473
95.0000000	16.8682914	0.0034953	1.5185019	-1.3058480
95.5000000	16.6003356	0.0036047	1.5660109	-1.4523902
96.0000000	16.3141425	0.0037266	1.6189981	-1.6211548
97.0000000	15.6852343	0.0041897	1.8201527	-2.3129557
98.0000000	14.9768596	0.0049741	2.1609622	-3.6697577
99.0000000	14.2186261	0.0061371	2.6662181	-6.1087188
99.5000000	13.8495694	0.0068475	2.9748319	-7.8496250
100.0000000	13.5120008	0.0075584	3.2836729	-9.7825074
100.5000000	13.2100.89	0.0086040	3.7379071	-12.9719491
101.0000000	12.9591873	0.0094735	4.1156636	-15.9386621
101.5000000	12.7344186	0.0108317	4.7057092	-21.1436987
101.6999998	12.6587125	0.0114936	4.9932572	-23.9326177
101.7999992	12.6239207	0.0118372	5.1425252	-25.4455652
101.8999996	12.5911592	0.0121787	5.2909225	-26.9938610
102.0000000	12.5604470	0.0125036	5.4320543	-28.5072136
102.0999994	12.5317893	0.0127949	5.5585939	-29.8979325
102.1999998	12.5051770	0.0130374	5.6639403	-31.0802197
102.3999996	12.4579228	0.0133446	5.7975185	-32.6100607
102.5998993	12.4184543	0.0134339	5.8361977	-33.0612030
102.7999992	12.3862264	0.0133668	5.8070612	-32.7219596
103.0000000	12.3607203	0.0132198	5.7431780	-31.9840927
103.5000000	12.3231595	0.0127019	5.5182109	-29.4506512
104.0000000	12.3151714	0.0121726	5.2882691	-26.9657578

PSI = 0.6000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	12.3674419	0.0113161	4.9161415	-23.1684455
106.0000000	12.4723971	0.0108503	4.7138024	-21.2199330
108.0000000	12.7742512	0.0105564	4.5861205	-20.0325010
110.0000000	13.1088164	0.0106687	4.6349102	-20.4823921
116.0000000	14.0283641	0.0120756	5.2460885	-26.5214446
120.0000000	14.4092892	0.0127419	5.5355780	-29.6426232
124.0000000	14.5566701	0.0125336	5.4451038	-28.6491549
132.0000000	14.7327157	0.0119254	5.1808783	-25.8415003
140.0000000	14.8292074	0.0115966	5.0380184	-24.3816292
150.0000000	14.8340582	0.0116031	5.0408599	-24.4102683
160.0000000	14.8342359	0.0116036	5.0410743	-24.4124303
180.0000000	14.8342234	0.0116062	5.0421978	-24.4237587

PSI = 0.8000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	26.2746520	0.0023018	1.0000109	-0.0000217
5.0000000	26.2537196	0.0023039	1.0008863	-0.0017734
10.0000000	26.2318754	0.0023059	1.0017888	-0.0035807
15.0000000	26.2080619	0.0023081	1.0027465	-0.0055006
20.0000000	26.1811187	0.0023105	1.0037884	-0.0075912
25.0000000	26.1496397	0.0023132	1.0049432	-0.0099108
30.0000000	26.1121213	0.0023162	1.0062384	-0.0125157
35.0000000	26.0663366	0.0023195	1.0076979	-0.0154550
40.0000000	26.0096638	0.0023233	1.0093366	-0.0187604
45.0000000	25.9386008	0.0023275	1.0111513	-0.0224270
50.0000000	25.8484812	0.0023320	1.0131037	-0.0263792
55.0000000	25.7329910	0.0023366	1.0150906	-0.0304089
60.0000000	25.5834572	0.0023407	1.0168931	-0.0340716
65.0000000	25.3877614	0.0023435	1.0180919	-0.0365111
70.0000000	25.1286108	0.0023431	1.0179320	-0.0361856
75.0000000	24.7533867	0.0024768	1.0760375	-0.1578567
80.0000000	24.2247384	0.0024966	1.0802770	-0.1669983
82.5000000	23.8857853	0.0024793	1.0771143	-0.1601752
85.0000000	23.4852676	0.0024588	1.0681868	-0.1410230
87.5000000	23.0065751	0.0024188	1.0508412	-0.1042672
90.0000000	22.3959401	0.0026203	1.1383800	-0.2959090
92.5000000	21.6422102	0.0025599	1.1121330	-0.2368398
93.5000000	21.2841961	0.0025186	1.0941952	-0.1972631
94.0000000	21.0899365	0.0024939	1.0834354	-0.1738344
94.1999998	21.0090528	0.0024832	1.0787887	-0.1637851
94.5000000	20.8814998	0.0027726	1.2045260	-0.4508829
94.7500000	20.7714961	0.0027458	1.1928869	-0.4229837
95.0000000	20.6580455	0.0027168	1.1802764	-0.3930571
95.5000000	20.4198201	0.0026517	1.1520185	-0.3271467
96.0000000	20.1645710	0.0025770	1.1195319	-0.2533516
97.0000000	19.5889835	0.0027344	1.1879313	-0.4111807
98.0000000	18.8955355	0.0030227	1.3131931	-0.7244761
99.0000000	18.0113862	0.0029556	1.2840415	-0.6487627
99.5000000	17.4515774	0.0035604	1.5467712	-1.3925010
100.0000000	16.7505975	0.0037146	1.6137843	-1.6042998
100.5000000	15.8234712	0.0049204	2.1376231	-3.5694325
101.0000000	14.8069965	0.0092729	4.0285058	-15.2288589
101.5000000	14.2166108	0.0132173	5.7420894	-31.9715905
101.6999998	14.0750678	0.0160150	6.9575314	-47.4072428
101.7999992	14.0198699	0.0179196	7.7849641	-59.6056666
101.8999996	13.9675050	0.0147973	6.4285281	-40.3259730
102.0000000	13.9171978	0.0154508	6.7124309	-44.0567284
102.0999994	13.8726219	0.0159956	6.9491035	-47.2900395
102.1999998	13.8335742	0.0163810	7.1165424	-49.6451755
102.3999996	13.7705369	0.0166048	7.2137850	-51.0386939
102.5998993	13.7249428	0.0163116	7.0864073	-49.2171683
102.7999992	13.6931138	0.0157481	6.8415925	-45.8073874
103.0000000	13.6720313	0.0151636	6.5876519	-42.3971572
103.5000000	13.6563524	0.0139063	6.0414314	-35.4988933
104.0000000	13.6737345	0.0129132	5.6099984	-30.4720366

PSI = 0.8000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	13.7758796	0.0115891	5.0347725	-24.3489342
106.0000000	13.9122645	0.0109710	4.7662321	-21.7169685
108.0000000	14.2062117	0.0105749	4.5941486	-20.1062009
110.0000000	14.4849765	0.0106597	4.6309384	-20.4460530
116.0000000	15.1694854	0.0120172	5.2207522	-26.2562532
120.0000000	15.4668733	0.0125883	5.4688307	-28.9081092
124.0000000	15.6160533	0.0124984	5.4297781	-28.4824901
132.0000000	15.8309416	0.0119008	5.1701800	-25.7307608
140.0000000	15.9504012	0.0115773	5.0296317	-24.2971947
150.0000000	15.9536183	0.0116027	5.0406752	-24.4084060
160.0000000	15.9537185	0.0116037	5.0410958	-24.4126468
180.0000000	15.9537114	0.0116036	5.0410369	-24.4120529

PSI = 1.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	29.4341497	0.0023019	1.0000201	-0.0000403
5.0000000	29.4095641	0.0023045	1.0011713	-0.0023440
10.0000000	29.3828716	0.0023073	1.0023689	-0.0047433
15.0000000	29.3543620	0.0023102	1.0036543	-0.0073219
20.0000000	29.3221862	0.0023135	1.0050744	-0.0101746
25.0000000	29.2917745	0.0023172	1.0067802	-0.0134051
30.0000000	29.2402294	0.0023214	1.0090178	-0.0171263
35.0000000	29.1861947	0.0023264	1.0110722	-0.0214583
40.0000000	29.1196799	0.0023321	1.0131749	-0.0265233
45.0000000	29.0368285	0.0023388	1.0160864	-0.0324316
50.0000000	28.9326007	0.0023466	1.0194370	-0.0392518
55.0000000	28.8003376	0.0023552	1.0232068	-0.0469522
60.0000000	28.6311524	0.0023646	1.0272741	-0.0552921
65.0000000	28.4130645	0.0023739	1.0313213	-0.0636236
70.0000000	28.1297166	0.0023816	1.0346743	-0.0705509
75.0000000	27.7583513	0.0023848	1.0360437	-0.0733865
80.0000000	27.2662435	0.0023782	1.0331690	-0.0674382
82.5000000	26.9569201	0.0023682	1.0288592	-0.0585512
85.0000000	26.5963032	0.0023527	1.0221148	-0.0447187
87.5000000	26.1729949	0.0023306	1.0125180	-0.0251928
90.0000000	25.6720805	0.0023018	0.9999916	0.0000168
92.5000000	25.0746799	0.0022679	0.9852490	0.0292844
93.5000000	24.7858000	0.0024843	1.0792801	-0.1648455
94.0000000	24.6291089	0.0024595	1.0684820	-0.1416539
94.1999998	24.5646658	0.0024491	1.0639666	-0.1320250
94.5000000	24.4660094	0.0024330	1.0569983	-0.1172454
94.7500000	24.3819163	0.0024193	1.0510254	-0.1046543
95.0000000	24.2960534	0.0024052	1.0449162	-0.0918500
95.5000000	24.1187537	0.0023763	1.0323528	-0.0657523
96.0000000	23.9336782	0.0023466	1.0194682	-0.0393155
97.0000000	23.5378859	0.0022869	0.9935214	0.0129152
98.0000000	23.1057663	0.0022309	0.9692051	0.0606415
99.0000000	22.6009710	0.0023153	1.0058628	-0.0117601
99.5000000	22.3218603	0.0022607	0.9821549	0.0353717
100.0000000	22.0264060	0.0022075	0.9590158	0.0802868
100.5000000	21.7148588	0.0021573	0.9372071	0.1216429
101.0000000	21.3885324	0.0021119	0.9174903	0.1582116
101.5000000	21.0500741	0.0020729	0.9005474	0.1890143
101.6999998	20.8960810	0.0020685	0.8986268	0.1924699
101.7999992	20.8131444	0.0020493	0.8902854	0.2073920
101.8999996	14.8879998	0.0333387	14.4836404	-208.7758389
101.8999996	20.7292287	0.0020314	0.8825283	0.2211439

PSI = 1.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
101.8999996	14.8879999	0.0250174	10.8685094	-117.1244965
102.0999994	14.6859999	0.0274772	11.9371629	-141.4958572
102.1999998	14.6459998	0.0263050	11.4279250	-129.5974693
102.3999996	14.6109999	0.0224603	9.7576288	-94.2113190
102.5998993	14.5999999	0.0201929	8.7725934	-75.9583941
102.7999992	14.6099998	0.0177747	7.7220315	-58.6297708
103.0000000	14.6249999	0.0166142	7.2178355	-51.0971489
103.5000000	14.6859999	0.0148283	6.4419737	-40.4990249
104.0000000	14.7759998	0.0134026	5.8226054	-32.9027328
105.0000000	14.9999999	0.0114685	4.9823457	-23.8237686
106.0000000	15.1879998	0.0108437	4.7109453	-21.1930056

PSI = 1.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
101.8999996	20.7292287	0.0020314	0.8825283	0.2211439
101.8999996	14.8879999	0.0250174	10.8685094	-117.1244965
102.0999994	15.0680000	0.0115462	5.0161224	-24.1614838
102.1999998	15.1059999	0.0092114	4.0018073	-15.0144613
102.3999996	15.1610000	0.0061402	2.6575364	-6.1157503
102.5998993	15.2119999	0.0045442	1.9741913	-2.8974313
102.7999992	15.2639999	0.0035578	1.5456582	-1.3890592
103.0000000	15.3119999	0.0028033	1.2178616	-0.4831858
103.5000000	15.4219999	0.0016517	0.7175532	0.4851102
104.0000000	15.5319999	0.0009329	0.4052757	0.8357516
105.0000000	15.7520000	0.0000957	0.0415617	0.9982726
106.0000000	15.9540000	0.0004157	0.1806007	0.9673834

PSI = 1.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
101.8995996	20.7292297	0.0020314	0.8825283	0.2211439
102.0999994	20.5587492	0.0019999	0.8688510	0.2450980
102.1999998	20.4723473	0.0019864	0.8629621	0.2552964
102.3999996	20.2976577	0.0019638	0.8531394	0.2721532
102.5998993	20.1212900	0.0019472	0.8459615	0.2843491
102.7999992	19.9343765	0.0018468	0.8023087	0.3563007
103.0000000	19.7256870	0.0018165	0.7891585	0.3772288
103.5000000	19.1592202	0.0016687	0.7249540	0.4744417
104.0000000	18.4977710	0.0013742	0.5970044	0.6435858
105.0000000	16.4430337	0.0004693	0.2039042	0.9584231

PSI = 1.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
102.0000000	14.7499999	0.0300487	13.0543113	-169.4150410
106.0000000	15.1879998	0.0108437	4.7109453	-21.1930056
108.0000000	15.4999999	0.0104293	4.5308850	-19.5289192
110.0000000	15.7399998	0.0105912	4.6012229	-20.1712518
116.0000000	16.2349997	0.0119630	5.1971928	-26.0108135
120.0000000	16.4649997	0.0125289	5.4430561	-28.6268597
124.0000000	16.6099997	0.0124879	5.4252236	-28.4330516
132.0000000	16.8599997	0.0118992	5.1694732	-25.7234528
140.0000000	17.0000000	0.0115684	5.0257800	-24.2584648
150.0000000	17.0000000	0.0116026	5.0406272	-24.4079230
160.0000000	17.0000000	0.0116037	5.0411008	-24.4126971
180.0000000	17.0000000	0.0116036	5.0410702	-24.4123883

PSI = 1.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
102.0000000	15.0159999	0.0145645	6.3273766	-39.0356946
106.0000000	15.9540000	0.0004157	0.1806007	0.9673834
108.0000000	16.3250000	0.0010066	0.4373140	0.8087564
110.0000000	16.6599998	0.0013906	0.6041172	0.6350424
116.0000000	17.3599999	0.0017962	0.7803615	0.3910359
120.0000000	17.7199998	0.0019526	0.8483051	0.2803785
124.0000000	18.0300000	0.0020222	0.8785034	0.2282230
132.0000000	18.5300000	0.0021195	0.9207958	0.1521351
140.0000000	18.8900001	0.0021849	0.9492262	0.0989697
150.0000000	19.0000000	0.0021801	0.9471292	0.1029462
160.0000000	19.0000000	0.0021749	0.9448671	0.1072640
180.0000000	19.0000000	0.0021803	0.9472213	0.1027719

PSI = 1.2000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	32.0379028	0.0023018	1.0000107	-0.0000214
5.0000000	32.0155210	0.0023022	1.0001667	-0.0003334
10.0000000	31.9921591	0.0023025	1.0003192	-0.0006384
15.0000000	31.9667649	0.0023029	1.0004671	-0.0009343
20.0000000	31.9381676	0.0023032	1.0006070	-0.0012143
25.0000000	31.9050088	0.0023035	1.0007322	-0.0014649
30.0000000	31.8656571	0.0023037	1.0008312	-0.0016632
35.0000000	31.8180978	0.0023039	1.0008857	-0.0017722
40.0000000	31.7597926	0.0023038	1.0008666	-0.0017340
45.0000000	31.6874902	0.0023035	1.0007303	-0.0014612
50.0000000	31.5969710	0.0023028	1.0004117	-0.0008236
55.0000000	31.4826941	0.0023014	0.9998164	0.0003671
60.0000000	31.3373067	0.0022991	0.9988106	0.0023774
65.0000000	31.1509464	0.0022954	0.9972119	0.0055684
70.0000000	30.9102507	0.0022898	0.9947870	0.0103989
75.0000000	30.5969715	0.0022817	0.9912726	0.0173787
80.0000000	30.1862121	0.0022706	0.9864585	0.0268997
82.5000000	29.9179003	0.0024315	1.0563369	-0.1158477
85.0000000	29.5650778	0.0024196	1.0511795	-0.1049781
87.5000000	29.1621020	0.0023992	1.0422922	-0.0863814
90.0000000	28.6999652	0.0023684	1.0289438	-0.0587254
92.5000000	28.1673336	0.0023269	1.0108935	-0.0219057
93.5000000	27.9322965	0.0023076	1.0025309	-0.0050682
94.0000000	27.8096590	0.0022976	0.9981708	0.0036551
94.1999998	27.7596226	0.0022935	0.9964006	0.0071858
94.5000000	27.6834927	0.0022874	0.9937219	0.0125168
94.7500000	27.6190639	0.0022822	0.9914723	0.0169828
95.0000000	27.5537319	0.0022770	0.9892108	0.0214621
95.5000000	27.4203222	0.0022665	0.9846675	0.0304299
96.0000000	27.2832911	0.0022561	0.9801279	0.0393493
97.0000000	26.9982562	0.0022355	0.9711970	0.0567763
98.0000000	26.6997707	0.0022161	0.9627575	0.0730979
99.0000000	26.3897166	0.0021986	0.9551383	0.0877139
99.5000000	26.2315443	0.0021907	0.9517389	0.0941932
100.0000000	26.0717645	0.0021836	0.9486466	0.1000697
100.5000000	25.9109654	0.0021773	0.9458837	0.1053040
101.0000000	25.7498102	0.0021717	0.9434649	0.1098741
101.5000000	25.5890257	0.0021669	0.9413958	0.1137739
101.6999998	25.5250199	0.0021652	0.9406665	0.1151466
101.7999992	25.4931033	0.0021645	0.9403232	0.1157924
101.8999996	25.4612510	0.0021637	0.9399942	0.1164110
102.0000000	25.4294686	0.0021630	0.9396787	0.1170040
102.0999994	25.3977644	0.0021623	0.9393763	0.1175722
102.1999998	25.3661437	0.0021616	0.9390868	0.1181160
102.3999996	25.3031757	0.0021604	0.9385461	0.1191313
102.5998993	25.2406533	0.0021592	0.9380564	0.1200501
102.7995992	25.1785340	0.0021582	0.9376156	0.1208770
103.0000000	25.1169615	0.0021573	0.9372226	0.1216138
103.5000000	24.9564915	0.0019463	0.8455301	0.2850789
104.0000000	24.7694173	0.0019319	0.8392796	0.2956097

PSI = 1.2000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	24.4114506	0.0019169	0.8327850	0.3064691
106.0000000	24.0850804	0.0019158	0.8323094	0.3072611
108.0000000	23.5569668	0.0019346	0.8404655	0.2936178
110.0000000	23.1908066	0.0019573	0.8503382	0.2769249
116.0000000	22.8192499	0.0018729	0.8136641	0.3379507
120.0000000	22.8055432	0.0019591	0.8511136	0.2756057
124.0000000	22.8709948	0.0020249	0.8796742	0.2261732
132.0000000	23.0791979	0.0021158	0.9191760	0.1551154
140.0000000	23.2528195	0.0021511	0.9345398	0.1266354
150.0000000	23.3269212	0.0021683	0.9419873	0.1126600
160.0000000	23.3318725	0.0021738	0.9443662	0.1081724
180.0000000	23.3216126	0.0021805	0.9472994	0.1026239

PSI = 1.4000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	34.5204105	0.0023018	1.0000096	-0.0000192
5.0000000	34.4954939	0.0023026	1.0003550	-0.0007102
10.0000000	34.4695120	0.0023034	1.0007036	-0.0014078
15.0000000	34.4413223	0.0023043	1.0010619	-0.0021249
20.0000000	34.4096608	0.0023051	1.0014341	-0.0028702
25.0000000	34.3730717	0.0023060	1.0018218	-0.0036470
30.0000000	34.3298230	0.0023069	1.0022228	-0.0044505
35.0000000	34.2778015	0.0023079	1.0026280	-0.0052629
40.0000000	34.2143798	0.0023088	1.0030165	-0.0060461
45.0000000	34.1362448	0.0023096	1.0033598	-0.0067309
50.0000000	34.0391784	0.0023101	1.0035941	-0.0072011
55.0000000	33.9177618	0.0023102	1.0036287	-0.0072706
60.0000000	33.7649856	0.0023095	1.0033212	-0.0066534
65.0000000	33.5717196	0.0023075	1.0024600	-0.0049261
70.0000000	33.3259788	0.0023035	1.0007474	-0.0014954
75.0000000	33.0119262	0.0022967	0.9977963	0.0044025
80.0000000	32.6086235	0.0022861	0.9931794	0.0135947
82.5000000	32.3640275	0.0022791	0.9901123	0.0196777
85.0000000	32.0867605	0.0022709	0.9865607	0.0266981
87.5000000	31.7732034	0.0022617	0.9825865	0.0345237
90.0000000	31.4203942	0.0022519	0.9783279	0.0428745
92.5000000	31.0271585	0.0022420	0.9740140	0.0512966
93.5000000	30.8594806	0.0022382	0.9723468	0.0545417
94.0000000	30.7735381	0.0022363	0.9715357	0.0561183
94.1999998	30.7387857	0.0022356	0.9712164	0.0567387
94.5000000	30.6862617	0.0022345	0.9707435	0.0576571
94.7500000	30.6421435	0.0022336	0.9703551	0.0584110
95.0000000	30.5977204	0.0022327	0.9699723	0.0591538
95.5000000	30.5079904	0.0022310	0.9692247	0.0606035
96.0000000	30.4171925	0.0022293	0.9685033	0.0620014
97.0000000	30.2327287	0.0022262	0.9671476	0.0646255
98.0000000	30.0455818	0.0022234	0.9659219	0.0669949
99.0000000	29.8139381	0.0021950	0.9535935	0.0906595
99.5000000	29.6893461	0.0021798	0.9469867	0.1032161
100.0000000	29.5634785	0.0021651	0.9405965	0.1152783
100.5000000	29.4366271	0.0021510	0.9344752	0.1267562
101.0000000	29.3091345	0.0021376	0.9286708	0.1375706
101.5000000	29.1813922	0.0021251	0.9232258	0.1476541
101.6999998	29.1303368	0.0021203	0.9211583	0.1514673
101.7999992	29.1048307	0.0021180	0.9201498	0.1533244
101.8999996	29.0793417	0.0021157	0.9191578	0.1551490
102.0000000	29.0538747	0.0021135	0.9181820	0.1569417
102.0999994	29.0284338	0.0021113	0.9172238	0.1587005
102.1999998	29.0030217	0.0021091	0.9162825	0.1604264
102.3999996	28.9522991	0.0021049	0.9144501	0.1637810
102.5998993	28.9017684	0.0021008	0.9126869	0.1670026
102.7999992	28.8513870	0.0020969	0.9109920	0.1700936
103.0000000	28.8012617	0.0020932	0.9093687	0.1730486
103.5000000	28.6771436	0.0020846	0.9056180	0.1798561
104.0000000	28.5551839	0.0020769	0.9023085	0.1858393

PSI = 1.4000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	28.3195086	0.0020646	0.8969647	0.1954543
106.0000000	28.0979116	0.0020560	0.8931896	0.2022123
108.0000000	27.7071273	0.0020475	0.8894973	0.2087945
110.0000000	27.3926916	0.0020468	0.8891999	0.2093236
116.0000000	26.8982933	0.0020682	0.8984916	0.1927128
120.0000000	26.7662790	0.0020850	0.9058214	0.1794876
124.0000000	26.7227232	0.0021018	0.9131023	0.1662442
132.0000000	26.7713737	0.0021319	0.9261809	0.1421890
140.0000000	26.8509989	0.0021543	0.9359105	0.1240715
150.0000000	26.8904359	0.0021680	0.9418802	0.1128617
160.0000000	26.8893433	0.0021741	0.9445066	0.1079073
180.0000000	26.8706222	0.0021805	0.9473101	0.1026037

PSI = 1.6000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	37.0029178	0.0023018	1.0000095	-0.0000170
5.0000000	36.9754667	0.0023031	1.0005434	-0.0010870
10.0000000	36.9468651	0.0023043	1.0010881	-0.0021774
15.0000000	36.9158802	0.0023056	1.0016567	-0.0033161
20.0000000	36.8811541	0.0023070	1.0022611	-0.0045274
25.0000000	36.8411345	0.0023085	1.0029115	-0.0058315
30.0000000	36.7939892	0.0023101	1.0036144	-0.0072418
35.0000000	36.7375059	0.0023119	1.0043703	-0.0087597
40.0000000	36.6689668	0.0023137	1.0051703	-0.0103673
45.0000000	36.5849996	0.0023156	1.0059893	-0.0120144
50.0000000	36.4813857	0.0023174	1.0067764	-0.0135988
55.0000000	36.3528295	0.0023189	1.0074411	-0.0149375
60.0000000	36.1926651	0.0023198	1.0078318	-0.0157249
65.0000000	35.9924927	0.0023196	1.0077082	-0.0154757
70.0000000	35.7417064	0.0023173	1.0067079	-0.0134607
75.0000000	35.4268813	0.0023118	1.0043201	-0.0086588
80.0000000	35.0310354	0.0023016	0.9999004	0.0001993
82.5000000	34.7954717	0.0022941	0.9966675	0.0066538
85.0000000	34.5317020	0.0022851	0.9927173	0.0145125
87.5000000	34.2370706	0.0022743	0.9880510	0.0237552
90.0000000	33.9094925	0.0022621	0.9827485	0.0342053
92.5000000	33.5483303	0.0022489	0.9769968	0.0454772
93.5000000	33.3953104	0.0022435	0.9746459	0.0500653
94.0000000	33.3170671	0.0022407	0.9734706	0.0523550
94.1999998	33.2854609	0.0022397	0.9730015	0.0532681
94.5000000	33.2377243	0.0022381	0.9722996	0.0546335
94.7500000	33.1976571	0.0022367	0.9717165	0.0557669
95.0000000	33.1573381	0.0022354	0.9711358	0.0568954
95.5000000	33.0759711	0.0022327	0.9699823	0.0591343
96.0000000	32.9937220	0.0022301	0.9688459	0.0613433
97.0000000	32.8268504	0.0022250	0.9666183	0.0656491
98.0000000	32.6577439	0.0022201	0.9644907	0.0697576
99.0000000	32.4874768	0.0022155	0.9624844	0.0736239
99.5000000	32.4023614	0.0022133	0.9615341	0.0754522
100.0000000	32.3174248	0.0022112	0.9606211	0.0772071
100.5000000	32.2328348	0.0022092	0.9597469	0.0788859
101.0000000	32.1487641	0.0022072	0.9589128	0.0804863
101.5000000	32.0653877	0.0022054	0.9581195	0.0820068
101.6999998	32.0322776	0.0022047	0.9578141	0.0825921
101.7999992	32.0157785	0.0022044	0.9576642	0.0828793
101.8999996	31.9993174	0.0022040	0.9575163	0.0831626
102.0000000	31.9828959	0.0022037	0.9573700	0.0834427
102.0999994	31.9665153	0.0022034	0.9572253	0.0837198
102.1999998	31.9501770	0.0022030	0.9570820	0.0839941
102.3999996	31.9176316	0.0022024	0.9568000	0.0845338
102.5998993	31.8852892	0.0022017	0.9565245	0.0850607
102.7999992	31.8531129	0.0022011	0.9562554	0.0855755
103.0000000	31.8211606	0.0022005	0.9559928	0.0860778
103.5000000	31.7422423	0.0021991	0.9553639	0.0872799
104.0000000	31.6648450	0.0021977	0.9547737	0.0884071

PSI = 1.6000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	31.5150871	0.0021953	0.9537040	0.0904498
106.0000000	31.3729835	0.0021931	0.9527711	0.0922272
108.0000000	31.1144555	0.0021896	0.9512508	0.0951218
110.0000000	30.8931522	0.0021869	0.9500855	0.0973375
116.0000000	30.4602394	0.0021816	0.9477727	0.1017269
120.0000000	30.3010862	0.0021792	0.9467359	0.1036910
124.0000000	30.2129893	0.0021776	0.9460144	0.1050568
132.0000000	30.1698747	0.0021763	0.9454917	0.1060454
140.0000000	30.1825204	0.0021768	0.9456752	0.1056984
150.0000000	30.1917851	0.0021780	0.9462140	0.1046790
160.0000000	30.1845739	0.0021791	0.9466851	0.1037854
180.0000000	30.1618209	0.0021805	0.9473123	0.1025994

PSI = 1.8000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	39.4854255	0.0023018	1.0000074	-0.0000147
5.0000000	39.4554396	0.0023035	1.0007317	-0.0014640
10.0000000	39.4242182	0.0023052	1.0014726	-0.0029474
15.0000000	39.3904376	0.0023070	1.0022515	-0.0045080
20.0000000	39.3526473	0.0023089	1.0030883	-0.0061860
25.0000000	39.3091974	0.0023110	1.0040012	-0.0080184
30.0000000	39.2581558	0.0023133	1.0050059	-0.0100368
35.0000000	39.1972098	0.0023159	1.0061126	-0.0122626
40.0000000	39.1235542	0.0023187	1.0073222	-0.0146980
45.0000000	39.0357543	0.0023217	1.0086187	-0.0173118
50.0000000	38.9235935	0.0023247	1.0099587	-0.0200167
55.0000000	38.7878971	0.0023277	1.0112534	-0.0226335
60.0000000	38.6203442	0.0023302	1.0123424	-0.0248371
65.0000000	38.4132657	0.0023316	1.0129563	-0.0260804
70.0000000	38.1574345	0.0023310	1.0126683	-0.0254971
75.0000000	37.8418360	0.0023268	1.0108438	-0.0218052
80.0000000	37.4534473	0.0023171	1.0066213	-0.0132864
82.5000000	37.2269158	0.0023092	1.0032227	-0.0064559
85.0000000	36.9766436	0.0022992	0.9988738	0.0022511
87.5000000	36.7009377	0.0022869	0.9935155	0.0129269
90.0000000	36.3985906	0.0022723	0.9871692	0.0254970
92.5000000	36.0695019	0.0022557	0.9799796	0.0396400
93.5000000	35.9311404	0.0022487	0.9769451	0.0455783
94.0000000	35.8605967	0.0022452	0.9754054	0.0485843
94.1999998	35.8321362	0.0022438	0.9747866	0.0497911
94.5000000	35.7891874	0.0022416	0.9738557	0.0516050
94.7500000	35.7531710	0.0022398	0.9730780	0.0531191
95.0000000	35.7169561	0.0022381	0.9722992	0.0546342
95.5000000	35.6439519	0.0022345	0.9707400	0.0576639
96.0000000	35.5702515	0.0022309	0.9691826	0.0606850
97.0000000	35.4209723	0.0022238	0.9660890	0.0666721
98.0000000	35.2699065	0.0022168	0.9630596	0.0725163
99.0000000	35.1178818	0.0022100	0.9601317	0.0781471
99.5000000	35.0418596	0.0022068	0.9587191	0.0808576
100.0000000	34.9659600	0.0022036	0.9573448	0.0834910
100.5000000	34.8903141	0.0022006	0.9560123	0.0860405
101.0000000	34.8150568	0.0021976	0.9547250	0.0885001
101.5000000	34.7403245	0.0021947	0.9534860	0.0908644
101.6999998	34.7106152	0.0021936	0.9530049	0.0917816
101.7999992	34.6958032	0.0021931	0.9527679	0.0922333
101.8999996	34.6810198	0.0021926	0.9525335	0.0926800
102.0000000	34.6662660	0.0021920	0.9523012	0.0931225
102.0999994	34.6515436	0.0021915	0.9520708	0.0935612
102.1999998	34.6368527	0.0021910	0.9518422	0.0939964
102.3999996	34.6075730	0.0021899	0.9513911	0.0948550
102.5999993	34.5784512	0.0021889	0.9509487	0.0956965
102.7999992	34.5494537	0.0021879	0.9505146	0.0965220
103.0000000	34.5206313	0.0021869	0.9500894	0.0973301
103.5000000	34.4493241	0.0021846	0.9490647	0.0992762
104.0000000	34.3792043	0.0021823	0.9480957	0.1011145

204.0000000	34.3792043	0.0021823	0.9480957	0.1011145

PSI = 1.8000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	34.2429214	0.0021783	0.9463240	0.1044709
106.0000000	34.2127005	0.0021747	0.9447728	0.1074043
108.0000000	33.8728180	0.0021690	0.9422905	0.1120887
110.0000000	33.6632733	0.0021649	0.9405384	0.1153875
116.0000000	33.2273502	0.0021605	0.9386085	0.1190142
120.0000000	33.0520411	0.0021605	0.9386260	0.1189813
124.0000000	32.9433942	0.0021619	0.9392022	0.1178992
132.0000000	32.8588123	0.0021666	0.9412434	0.1140610
140.0000000	32.8409424	0.0021713	0.9433005	0.1101842
150.0000000	32.8302374	0.0021754	0.9450769	0.1068296
160.0000000	32.8138428	0.0021778	0.9461317	0.1048347
180.0000000	32.7824001	0.0021805	0.9473125	0.1025990

PSI = 2.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
-0.	41.3775749	0.0023018	1.0000086	-0.0000171
5.0000000	41.3556466	0.0023009	0.9995797	0.0008405
10.0000000	41.3328094	0.0022998	0.9991353	0.0017286
15.0000000	41.3081102	0.0022987	0.9986600	0.0026783
20.0000000	41.2805033	0.0022975	0.9981371	0.0037223
25.0000000	41.2487974	0.0022962	0.9975488	0.0048963
30.0000000	41.2115974	0.0022946	0.9968753	0.0062397
35.0000000	41.1672316	0.0022928	0.9960943	0.0077961
40.0000000	41.1136665	0.0022907	0.9951914	0.0096141
45.0000000	41.0484071	0.0022883	0.9941090	0.0117474
50.0000000	40.9683809	0.0022854	0.9928472	0.0142544
55.0000000	40.8698149	0.0022819	0.9913644	0.0171966
60.0000000	40.7491146	0.0022779	0.9896289	0.0206346
65.0000000	40.5977950	0.0022733	0.9876122	0.0246221
70.0000000	40.4125304	0.0022680	0.9852945	0.0291947
75.0000000	40.1854839	0.0022619	0.9826730	0.0343538
80.0000000	39.8758593	0.0023325	1.0133423	-0.0268625
82.5000000	39.6583605	0.0023243	1.0097780	-0.0196516
85.0000000	39.4215851	0.0023134	1.0050304	-0.0100861
87.5000000	39.1648049	0.0022995	0.9989801	0.0020399
90.0000000	38.8876891	0.0022825	0.9915898	0.0167497
92.5000000	38.5906739	0.0022626	0.9829624	0.0337849
93.5000000	38.4669704	0.0022540	0.9792443	0.0410807
94.0000000	38.4041262	0.0022497	0.9773403	0.0448060
94.1999998	38.3788114	0.0022479	0.9765717	0.0463078
94.5000000	38.3406501	0.0022452	0.9754119	0.0485717
94.7500000	38.3086843	0.0022430	0.9744395	0.0504676
95.0000000	38.2765741	0.0022407	0.9734627	0.0523704
95.5000000	38.2119327	0.0022362	0.9714976	0.0561924
96.0000000	38.1467810	0.0022317	0.9695223	0.0600265
97.0000000	38.0150943	0.0022225	0.9655596	0.0676946
98.0000000	37.8820691	0.0022135	0.9616284	0.0752709
99.0000000	37.7462862	0.0022046	0.9577791	0.0826591
99.5000000	37.6813579	0.0022003	0.9559042	0.0862472
100.0000000	37.6144953	0.0021961	0.9540685	0.0897534
100.5000000	37.5477934	0.0021920	0.9522777	0.0931672
101.0000000	37.4813490	0.0021880	0.9505373	0.0964789
101.5000000	37.4152613	0.0021841	0.9488524	0.0996791
101.6999998	37.3889532	0.0021826	0.9481957	0.1009249
101.7999992	37.3758283	0.0021818	0.9478716	0.1015394
101.8999996	37.3627224	0.0021811	0.9475507	0.1021477
102.0000000	37.3496366	0.0021804	0.9472323	0.1027509
102.0999994	37.3365717	0.0021796	0.9469163	0.1033495
102.1999998	37.3235288	0.0021789	0.9466025	0.1039438
102.3999996	37.2975140	0.0021775	0.9459822	0.1051178
102.5998993	37.2716131	0.0021761	0.9453728	0.1062702
102.7999992	37.2457943	0.0021747	0.9447738	0.1074025
103.0000000	37.2201023	0.0021733	0.9441861	0.1085127
103.5000000	37.1564059	0.0021701	0.9427656	0.1111930
104.0000000	37.0935636	0.0021670	0.9414177	0.1137326

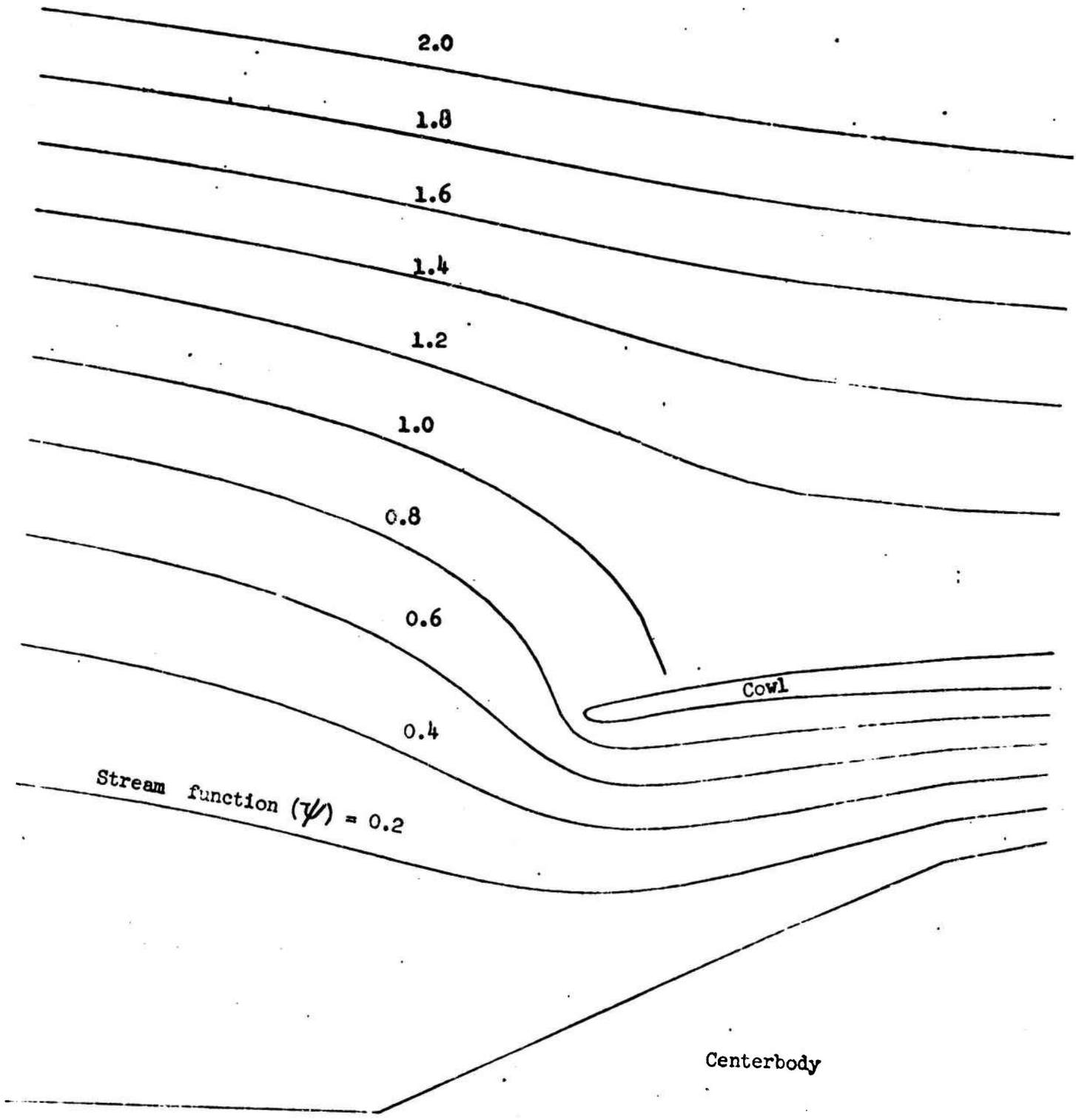
104.0000000	37.0935636	0.0021670	0.9414177	0.1137326

PSI = 2.0000000

X	Y	VELOCITY	VELOCITY RATIO	PRESSURE COEFFICIENT
105.0000000	36.9707556	0.0021613	0.9389441	0.1183840
106.0000000	36.8524175	0.0021563	0.9367745	0.1224535
108.0000000	36.6311812	0.0021484	0.9333301	0.1288949
110.0000000	36.4333949	0.0021430	0.9309913	0.1332552
116.0000000	35.9944615	0.0021394	0.9294442	0.1361335
120.0000000	35.8029962	0.0021419	0.9305150	0.1341401
124.0000000	35.6737995	0.0021462	0.9323901	0.1306488
132.0000000	35.5477505	0.0021568	0.9369950	0.1220404
140.0000000	35.4993644	0.0021658	0.9409258	0.1146587
150.0000000	35.4686899	0.0021728	0.9439398	0.1089776
160.0000000	35.4431119	0.0021765	0.9455774	0.1058835
180.0000000	35.4029794	0.0021805	0.9473128	0.1025985

3.1.1 Potential Flow Computer Program Streamline Machine Plot

The potential flow streamlines for the sample problem are presented on this Gerber Plot.



Potential Flow Streamlines

Supersonic engine inlet
Sea level, Standard day
80 Knots

3.2 Water Droplet Trajectory Computer Program Printout

The IBM 7094 machine tabular printout of the water droplet trajectories for the sample problem are shown on the following pages. These data illustrate the computer program capabilities for determining droplet trajectories, the tangent droplet trajectories and impingement results.

The droplet distribution summation is not demonstrated but would result in seven runs like the one shown with different values of droplet radius. The cumulative impingement results would be tabulated at the completion of each data set.

The impingement results from this sample run are not satisfactory because the droplet increments were assumed large to reduce the printout. IBM 7094 machine time required for this run was approximately five minutes.

TABLE 1
X=DISTANCE TO RIGHT OF HIGHLIGHT
Y=LOWER COWL SURFACE DISTANCE FROM HIGHLIGHT

X	Y
0.	0.
0.05100	0.10171
0.10000	0.17172
0.17600	0.26269
0.20000	0.29047
0.30000	0.39818
0.50000	0.60122
0.70000	0.80152
0.90000	1.00177
1.10000	1.20233
1.35000	1.45358
1.60000	1.70616
1.68200	1.78934
2.10000	2.21420
2.20400	2.32093
2.62000	2.74614
3.10000	3.23903
4.10000	4.25655
4.18000	4.33744
5.10000	5.26896
5.45400	5.62705
6.10000	6.28074
6.95000	7.13661
8.10000	8.29510
8.60000	8.79868
10.10000	10.30520
10.80000	11.00777
12.10000	12.31161
14.10000	14.31616
14.25000	14.46691
15.10000	15.31838
16.10000	16.32049
17.10000	17.32174
18.10000	18.32299
19.00000	19.22367
19.10000	19.32417
20.10000	20.32497
22.10000	22.32586
26.10000	26.32766
30.10000	30.32978
34.10000	34.33103
38.10000	38.33123

TABLE 2
X=DISTANCE TO RIGHT OF HIGHLIGHT
Y=UPPER COWL SURFACE DISTANCE FROM HIGHLIGHT/

X	Y
0.	0.
0.07600	0.13535
0.10000	0.16420
0.20000	0.27691
0.30000	0.38388
0.50000	0.59131

0.64700	0.74339
0.70000	0.79774
0.90000	1.00439
1.10000	1.21007
1.35000	1.46583
1.50000	1.61964
1.60000	1.72203
2.10000	2.23398
2.39600	2.53769
3.10000	3.25792
3.34000	3.50267
4.10000	4.27812
4.33400	4.51659
5.10000	5.29657
5.67000	5.87580
6.10000	6.31229
7.11600	7.34326
8.10000	8.34018
10.10000	10.35900
10.65000	10.91282
12.10000	12.37218
14.10000	14.38167
15.10000	15.38665
15.60000	15.88825
16.10000	16.39074
17.10000	17.39394
18.10000	18.39798
19.10000	19.40118
20.10000	20.40437
21.70000	22.00886
22.10000	22.40999
26.10000	26.41909
29.65000	29.97472
30.10000	30.42572
34.10000	34.43071
38.10000	38.43391

TABLE 4
X=Y VALUE OF POTENTIAL FLOW FIELD
Y=FIRST BOUNDARY VALUE OF X AFTER LEFT HAND BOUNDARY

X	Y
-0.	94.50000
8.00000	111.65600
8.16043	112.00000
9.00000	113.81500
9.08200	114.00000
9.50000	114.96000
9.75000	115.57500
9.91500	116.00000
10.00000	116.22500
10.25000	116.92500
10.27200	117.00000
10.50000	117.85000
10.54400	118.00000
10.71600	119.00000
10.80000	120.00000
10.80010	180.00000
14.59990	180.00000
14.60000	102.60000
14.61100	102.40000
14.64600	102.20000
14.68690	102.10000

14.70090	102.07600
14.75000	102.00000
14.80000	101.95100
14.88800	101.90000
15.00000	101.97600
15.01600	102.00000
15.06800	102.10000
15.10600	102.20000
15.18100	102.40000
15.20000	102.54700
15.21200	102.60000
15.26400	102.80000
15.31200	103.00000
15.36600	103.25000
15.40000	103.40000
15.42200	103.50000
15.53200	104.00000
15.60000	104.29600
15.75200	105.00000
15.80000	105.24000
15.95400	106.00000
16.00000	106.23400
16.14700	107.00000
16.25000	107.57000
16.32500	108.00000
16.50000	109.01600
16.66000	110.00000
16.93500	112.00000
17.00000	112.55000
17.16500	114.00000
17.36000	116.00000
17.46000	117.00000
17.50000	117.50000
17.55000	118.00000
17.63000	119.00000
17.72000	120.00000
17.80000	121.00000
17.88000	122.00000
18.00000	123.60000
18.03000	124.00000
18.30000	128.00000
18.50000	131.55000
18.53000	132.00000
18.73000	136.00000
18.89000	140.00000
19.00000	144.00000
19.00010	180.00000
100.00000	180.00000

TABLE 5
X=Y VALUE OF POTENTIAL FLOW FIELD
Y=SECOND BOUNDARY VALUE OF X AFTER LEFT HAND BOUNDARY

X	Y
-0.	180.00000
14.59990	180.00000
14.60000	102.60000
14.61000	102.80000
14.62500	103.00000
14.65000	103.25000
14.68600	103.50000
14.70000	103.58200
14.77600	104.00000

14.70000	103.58200
14.77600	104.00000
14.80000	104.10400
14.88800	104.52000
15.00000	105.00000
15.18800	106.00000
15.20000	106.08000
15.34600	107.00000
15.40000	107.35400
15.50000	108.00000
15.60000	108.85000
15.74000	110.00000
15.80000	110.50000
15.94000	112.00000
16.00000	112.70000
16.10000	114.00000
16.23500	116.00000
16.25000	116.15000
16.30000	117.00000
16.36500	118.00000
16.41500	119.00000
16.46500	120.00000
16.50000	120.90000
16.51000	121.00000
16.55000	122.00000
16.61000	124.00000
16.73000	128.00000
16.86000	132.00000
16.96000	136.00000
17.00000	140.00000
17.00010	180.00000
100.00000	180.00000

TABLE 6
X=X VALUE OF POTENTIAL FLOW FIELD
Y=FIRST BOUNDARY VALUE OF Y ABOVE LOWER BOUNDARY/

X	Y
-0.	100.00000
101.89990	100.00000
101.90000	14.88800
101.95100	14.80000
102.00000	14.75000
102.07600	14.70000
102.10000	14.68600
102.20000	14.64600
102.40000	14.61100
102.60000	14.60000
102.80000	14.61000
103.00000	14.62500
103.25000	14.65000
103.50000	14.68600
103.58200	14.70000
104.00000	14.77600
104.10400	14.80000
104.52000	14.88800
105.00000	15.00000
106.00000	15.18800
106.08000	15.20000
107.00000	15.34600
107.35400	15.40000
108.00000	15.50000
108.85000	15.60000
110.00000	15.74000
110.50000	15.80000
112.00000	15.94000

112.70000	16.00000
114.00000	16.10000
116.00000	16.23500
116.15000	16.25000
117.00000	16.30000
118.00000	16.36500
119.00000	16.41500
120.00000	16.46500
120.90000	16.50000
121.00000	16.51000
122.00000	16.55000
124.00000	16.61000
128.00000	16.73000
132.00000	16.86000
136.00000	16.96000
140.00000	17.00000
180.00000	17.00000

TABLE 7
X=X VALUE OF POTENTIAL FLOW FIELD
Y=SECOND BOUNDARY VALUE OF Y ABOVE LOWER BOUNDARY

X	Y
-0.	100.00000
101.89990	100.00000
101.90000	14.88800
101.97600	15.00000
102.00000	15.01600
102.10000	15.06800
102.20000	15.10600
102.40000	15.16100
102.54700	15.20000
102.60000	15.21200
102.80000	15.26400
103.00000	15.31200
103.25000	15.36600
103.40000	15.40000
103.50000	15.42200
104.00000	15.53200
104.29600	15.60000
105.00000	15.75200
105.24000	15.80000
106.00000	15.95400
106.23400	16.00000
107.00000	16.14700
107.57000	16.25000
108.00000	16.32500
109.01600	16.50000
110.00000	16.66000
112.00000	16.93500
112.55000	17.00000
114.00000	17.16500
116.00000	17.36000
117.00000	17.46000
117.50000	17.50000
118.00000	17.55000
119.00000	17.63000
120.00000	17.72000
121.00000	17.80000
122.00000	17.88000
123.60000	18.00000
124.00000	18.03000
128.00000	18.30000

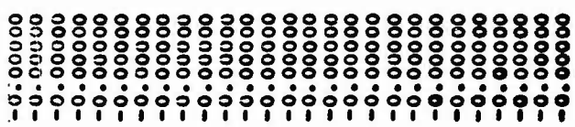
123.60000	18.00000
124.00000	18.03000
128.00000	18.30000
131.55000	18.50000
132.00000	18.53000
136.00000	18.73000
140.00000	18.89000
144.00000	19.00000
180.00000	19.00000

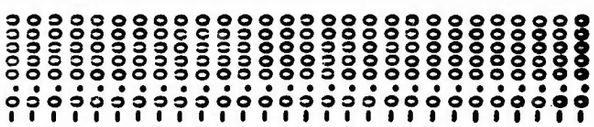
TABLE 8
X=X VALUE OF POTENTIAL FLOW FIELD
CENTERLINE OR LOWEST BOUNDARY VALUE OF Y

X	Y
-0.	-0.
94.50000	-0.
110.00000	7.22781
111.65597	8.00000
112.00000	8.16043
113.81500	9.00000
114.00000	9.08200
114.96000	9.50000
115.57500	9.75000
116.00000	9.91500
116.22500	10.00000
116.92500	10.25000
117.00000	10.27200
117.85000	10.50000
118.00000	10.54400
119.00000	10.71600
120.00000	10.80000
180.00000	10.80000

TABLE 9
X=DISTANCE TO RIGHT OF HIGHLIGHT (XHL)
Y=CENTERBODY SURFACE DISTANCE FROM CENTERBODY HIGHLIGHT (XHL1)

X	Y
-7.40000	0.
8.10000	17.10238
9.75597	18.92953
10.10000	19.30913
11.91500	21.30891
12.10000	21.51127
13.06000	22.55832
13.67500	23.22219
14.10000	23.67810
14.32500	23.91862
15.02500	24.66192
15.10000	24.74008
15.95000	25.62013
16.10000	25.77645
17.10000	26.79113
18.10000	27.79465
78.10000	87.79465
18.10000	27.79468
78.10000	87.79468
-0.00000	-0.00000
-0.00000	-0.00000
-0.00000	-0.00000
-0.00000	-0.00000
-0.00000	-0.00000





SUPERSONIC INLET-- WATER IMPINGEMENT AT TAKE-OFF 12/13/65

ALWC	R	UINF	UPINF	PA	WA
1.8064000E-08	3.2804999E-05	1.3510000E 02	2.3108200E-03	7.6474999E-02	1.2000000E-05

XMAX	YMAX	YORDP	DELYOP	XL	XMLI
1.4000000E 02	9.9998999E 01	-0.	1.0000000E-00	-0.	9.4499999E 01

YSL	YSM	VXWIN	VYWIN	DIRECT	RANDOM
-0.	1.2750000E 01	1.3510000E 02	-0.	1.0000000E-00	-1.0000000E-00

XML	YML	ALAMDA	RESIL	XMOW	LANGMR
1.0190000E 02	1.4888000E 01	1.0000000E-00	-0.	6.2399999E 01	-0.

GRAVTY	DELX1	DELX2	XREF1	XREF2
1.0000000E-00	9.9999999E 01	2.0000000E 01	8.9999999E 01	1.1000000E 02

YTRAP1	YTRAP2	XTRAP1	XTRAP2	TABLE
-0.	-0.	-0.	-0.	0.

REINF	AK
5.6488963E 01	1.6800656E-01

-0. -0. 1.00000 -0.

XNN1	YNN1	DTW	CK	RFN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	-0.0001	0.08342	1.0E 00	2.093E-01	9.963E-01	9.980E-01	-1.469E-04	-0.	1.0	1.0
2.000	-0.0002	0.08353	1.0E 00	7.585E-02	9.967E-01	9.973E-01	-1.470E-04	1.453E-08	1.0	1.0
3.000	-0.0004	0.08356	1.0E 00	1.638E-02	9.971E-01	9.972E-01	-1.471E-04	4.366E-08	1.0	1.0
4.000	-0.0005	0.08356	1.0E 00	1.745E-02	9.975E-01	9.973E-01	-1.471E-04	7.281E-08	1.0	1.0
5.000	-0.0007	0.08354	1.0E 00	3.107E-02	9.979E-01	9.976E-01	-1.471E-04	1.020E-07	1.0	1.0
6.000	-0.0008	0.08352	1.0E 00	3.853E-02	9.983E-01	9.980E-01	-1.471E-04	1.377E-07	1.0	1.0
7.000	-0.0010	0.08349	1.0E 00	4.272E-02	9.987E-01	9.983E-01	-1.471E-04	1.683E-07	1.0	1.0
8.000	-0.0011	0.08346	1.0E 00	4.476E-02	9.991E-01	9.987E-01	-1.471E-04	1.989E-07	1.0	1.0
9.000	-0.0013	0.08342	1.0E 00	4.575E-02	9.995E-01	9.991E-01	-1.471E-04	2.295E-07	1.0	1.0
10.000	-0.0014	0.08339	1.0E 00	4.623E-02	9.999E-01	9.995E-01	-1.471E-04	2.601E-07	1.0	1.0
11.000	-0.0015	0.08335	1.0E 00	4.769E-02	1.000E 00	1.000E-00	-1.471E-04	3.211E-07	1.0	1.0
12.000	-0.0017	0.08332	1.0E 00	4.961E-02	1.001E 00	1.000E 00	-1.471E-04	3.549E-07	1.0	1.0
13.000	-0.0018	0.08328	1.0E 00	5.055E-02	1.001E 00	1.001E 00	-1.471E-04	3.886E-07	1.0	1.0
14.000	-0.0020	0.08324	1.0E 00	5.101E-02	1.002E 00	1.001E 00	-1.471E-04	4.224E-07	1.0	1.0
15.000	-0.0021	0.08320	1.0E 00	5.124E-02	1.002E 00	1.002E 00	-1.471E-04	4.561E-07	1.0	1.0
16.000	-0.0023	0.08317	1.0E 00	5.329E-02	1.003E 00	1.002E 00	-1.471E-04	5.633E-07	1.0	1.0
17.000	-0.0024	0.08313	1.0E 00	5.620E-02	1.003E 00	1.003E 00	-1.471E-04	6.020E-07	1.0	1.0
18.000	-0.0026	0.08308	1.0E 00	5.762E-02	1.004E 00	1.003E 00	-1.471E-04	6.407E-07	1.0	1.0
19.000	-0.0027	0.08304	1.0E 00	5.832E-02	1.004E 00	1.004E 00	-1.471E-04	6.794E-07	1.0	1.0
20.000	-0.0029	0.08300	1.0E 00	5.866E-02	1.005E 00	1.004E 00	-1.471E-04	7.181E-07	1.0	1.0
21.000	-0.0030	0.08295	1.0E 00	6.164E-02	1.005E 00	1.005E 00	-1.471E-04	9.002E-07	1.0	1.0
22.000	-0.0032	0.08291	1.0E 00	6.589E-02	1.006E 00	1.005E 00	-1.471E-04	9.461E-07	1.0	1.0
23.000	-0.0033	0.08286	1.0E 00	6.794E-02	1.007E 00	1.006E 00	-1.471E-04	9.920E-07	1.0	1.0
24.000	-0.0035	0.08281	1.0E 00	6.894E-02	1.007E 00	1.007E 00	-1.471E-04	1.038E-06	1.0	1.0
25.000	-0.0036	0.08275	1.0E 00	6.944E-02	1.008E 00	1.007E 00	-1.471E-04	1.084E-06	1.0	1.0
26.000	-0.0037	0.08270	1.0E 00	7.364E-02	1.009E 00	1.008E 00	-1.471E-04	1.382E-06	1.0	1.0
27.000	-0.0039	0.08264	1.0E 00	7.960E-02	1.009E 00	1.009E 00	-1.471E-04	1.438E-06	1.0	1.0
28.000	-0.0040	0.08258	1.0E 00	8.247E-02	1.010E 00	1.009E 00	-1.471E-04	1.494E-06	1.0	1.0
29.000	-0.0042	0.08252	1.0E 00	8.387E-02	1.011E 00	1.010E 00	-1.471E-04	1.550E-06	1.0	1.0
30.000	-0.0043	0.08246	1.0E 00	8.457E-02	1.012E 00	1.011E 00	-1.471E-04	1.606E-06	1.0	1.0
31.000	-0.0045	0.08240	1.0E 00	9.039E-02	1.013E 00	1.012E 00	-1.471E-04	2.081E-06	1.0	1.0
32.000	-0.0046	0.08233	1.0E 00	9.864E-02	1.014E 00	1.013E 00	-1.471E-04	2.151E-06	1.0	1.0
33.000	-0.0048	0.08225	1.0E 00	1.026E-01	1.014E 00	1.014E 00	-1.471E-04	2.221E-06	1.0	1.0
34.000	-0.0049	0.08218	1.0E 00	1.045E-01	1.015E 00	1.015E 00	-1.471E-04	2.291E-06	1.0	1.0
35.000	-0.0051	0.08210	1.0E 00	1.055E-01	1.016E 00	1.015E 00	-1.471E-04	2.361E-06	1.0	1.0

34.000	-0.0049	0.08218	1.0E 00	1.045E-01	1.015E 00	1.015E 00	-1.471E-04	2.291E-06	1.0	1.0
35.000	-0.0051	0.08210	1.0E 00	1.055E-01	1.016E 00	1.015E 00	-1.471E-04	2.361E-06	1.0	1.0
36.000	-0.0052	0.08202	1.1E 00	1.135E-01	1.017E 00	1.017E 00	-1.471E-04	3.108E-06	1.0	1.0
37.000	-0.0053	0.08193	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-1.471E-04	3.197E-06	1.0	1.0
38.000	-0.0055	0.08184	1.1E 00	1.304E-01	1.020E 00	1.019E 00	-1.471E-04	3.286E-06	1.0	1.0
39.000	-0.0056	0.08174	1.1E 00	1.330E-01	1.021E 00	1.020E 00	-1.471E-04	3.375E-06	1.0	1.0
40.000	-0.0058	0.08165	1.1E 00	1.344E-01	1.022E 00	1.021E 00	-1.471E-04	3.464E-06	1.0	1.0
41.000	-0.0059	0.08155	1.1E 00	1.456E-01	1.024E 00	1.023E 00	-1.471E-04	4.631E-06	1.0	1.0
42.000	-0.0061	0.08144	1.1E 00	1.615E-01	1.025E 00	1.024E 00	-1.471E-04	4.747E-06	1.0	1.0
43.000	-0.0062	0.08132	1.1E 00	1.690E-01	1.027E 00	1.026E 00	-1.471E-04	4.862E-06	1.0	1.0
44.000	-0.0064	0.08119	1.1E 00	1.727E-01	1.029E 00	1.027E 00	-1.471E-04	4.977E-06	1.0	1.0
45.000	-0.0065	0.08107	1.1E 00	1.745E-01	1.030E 00	1.029E 00	-1.471E-04	5.092E-06	1.0	1.0
46.000	-0.0066	0.08094	1.1E 00	1.904E-01	1.032E 00	1.030E 00	-1.471E-04	6.920E-06	1.0	1.0
47.000	-0.0068	0.08079	1.1E 00	2.128E-01	1.034E 00	1.032E 00	-1.471E-04	7.072E-06	1.0	1.0
48.000	-0.0069	0.08064	1.1E 00	2.233E-01	1.036E 00	1.034E 00	-1.471E-04	7.224E-06	1.0	1.0
49.000	-0.0071	0.08050	1.1E 00	1.696E-01	1.039E 00	1.036E 00	-1.471E-04	7.376E-06	2.0	1.0
50.000	-0.0072	0.08037	1.1E 00	1.945E-01	1.041E 00	1.038E 00	-1.471E-04	7.527E-06	2.0	1.0
51.000	-0.0073	0.08022	1.1E 00	2.254E-01	1.043E 00	1.040E 00	-1.471E-04	1.041E-05	2.0	1.0
52.000	-0.0075	0.08005	1.1E 00	2.599E-01	1.046E 00	1.042E 00	-1.471E-04	1.062E-05	2.0	1.0
53.000	-0.0076	0.07986	1.1E 00	2.811E-01	1.049E 00	1.045E 00	-1.471E-04	1.082E-05	2.0	1.0
54.000	-0.0078	0.07966	1.1E 00	2.943E-01	1.052E 00	1.047E 00	-1.471E-04	1.103E-05	2.0	1.0
55.000	-0.0079	0.07945	1.1E 00	3.026E-01	1.055E 00	1.050E 00	-1.471E-04	1.123E-05	2.0	1.0
56.000	-0.0080	0.07923	1.1E 00	3.307E-01	1.058E 00	1.053E 00	-1.471E-04	1.586E-05	2.0	1.0
57.000	-0.0082	0.07899	1.1E 00	3.707E-01	1.062E 00	1.057E 00	-1.471E-04	1.614E-05	2.0	1.0
58.000	-0.0083	0.07873	1.1E 00	3.954E-01	1.066E 00	1.060E 00	-1.471E-04	1.642E-05	2.0	1.0
59.000	-0.0085	0.07845	1.1E 00	4.109E-01	1.070E 00	1.064E 00	-1.471E-04	1.670E-05	2.0	1.0
60.000	-0.0086	0.07817	1.1E 00	4.208E-01	1.074E 00	1.068E 00	-1.471E-04	1.697E-05	2.0	1.0
61.000	-0.0087	0.07788	1.1E 00	4.615E-01	1.079E 00	1.072E 00	-1.471E-04	2.453E-05	2.0	1.0
62.000	-0.0089	0.07755	1.1E 00	5.208E-01	1.085E 00	1.077E 00	-1.471E-04	2.492E-05	2.0	1.0
63.000	-0.0090	0.07719	1.1E 00	5.574E-01	1.090E 00	1.082E 00	-1.471E-04	2.531E-05	2.0	1.0
64.000	-0.0092	0.07682	1.1E 00	5.804E-01	1.096E 00	1.087E 00	-1.471E-04	2.570E-05	2.0	1.0
65.000	-0.0093	0.07642	1.1E 00	6.433E-01	1.102E 00	1.093E 00	-1.471E-04	2.608E-05	3.0	1.0
66.000	-0.0094	0.07599	1.2E 00	6.909E-01	1.109E 00	1.100E 00	-1.471E-04	3.867E-05	3.0	1.0
67.000	-0.0096	0.07552	1.2E 00	7.770E-01	1.117E 00	1.107E 00	-1.471E-04	3.925E-05	3.0	1.0
68.000	-0.0097	0.07501	1.2E 00	8.268E-01	1.126E 00	1.115E 00	-1.471E-04	3.980E-05	3.0	1.0
69.000	-0.0098	0.07449	1.2E 00	8.568E-01	1.134E 00	1.123E 00	-1.471E-04	4.035E-05	3.0	1.0
70.000	-0.0099	0.07396	1.2E 00	8.758E-01	1.142E 00	1.131E 00	-1.471E-04	4.090E-05	3.0	1.0
71.000	-0.0101	0.07340	1.2E 00	9.814E-01	1.153E 00	1.140E 00	-1.471E-04	6.237E-05	3.0	1.0
72.000	-0.0102	0.07277	1.2E 00	1.135E 00	1.165E 00	1.150E 00	-1.471E-04	6.318E-05	3.0	1.0
73.000	-0.0103	0.07208	1.2E 00	1.224E 00	1.178E 00	1.162E 00	-1.471E-04	6.398E-05	3.0	1.0
74.000	-0.0105	0.07137	1.2E 00	1.277E 00	1.190E 00	1.174E 00	-1.471E-04	6.478E-05	3.0	1.0
75.000	-0.0106	0.07065	1.2E 00	1.311E 00	1.203E 00	1.186E 00	-1.471E-04	6.557E-05	3.0	1.0
76.000	-0.0107	0.06988	1.3E 00	1.486E 00	1.219E 00	1.199E 00	-1.416E-04	1.026E-04	3.0	1.0
77.000	-0.0108	0.06902	1.3E 00	1.737E 00	1.238E 00	1.215E 00	-1.360E-04	1.038E-04	3.0	1.0
78.000	-0.0109	0.06807	1.3E 00	1.882E 00	1.258E 00	1.233E 00	-1.311E-04	1.049E-04	3.0	1.0
79.000	-0.0110	0.06709	1.3E 00	1.971E 00	1.277E 00	1.251E 00	-1.273E-04	1.059E-04	3.0	1.0
80.000	-0.0111	0.06612	1.3E 00	2.031E 00	1.296E 00	1.270E 00	-1.242E-04	1.069E-04	3.0	1.0
81.000	-0.0112	0.06511	1.3E 00	2.255E 00	1.320E 00	1.290E 00	-1.016E-04	1.538E-04	3.0	1.0
82.000	-0.0113	0.06401	1.4E 00	2.570E 00	1.347E 00	1.314E 00	-8.579E-05	1.550E-04	3.0	1.0
83.000	-0.0114	0.06283	1.4E 00	2.758E 00	1.375E 00	1.339E 00	-7.511E-05	1.560E-04	3.0	1.0
84.000	-0.0114	0.06158	1.4E 00	3.166E 00	1.409E 00	1.368E 00	-5.082E-05	1.945E-04	3.0	1.0
85.000	-0.0114	0.06025	1.4E 00	3.411E 00	1.444E 00	1.399E 00	-3.512E-05	1.952E-04	3.0	1.0
86.000	-0.0114	0.05887	1.5E 00	3.726E 00	1.481E 00	1.432E 00	-7.618E-06	2.366E-04	3.0	1.0
87.000	-0.0114	0.05745	1.5E 00	4.083E 00	1.523E 00	1.469E 00	1.024E-05	2.369E-04	3.0	1.0
88.000	-0.0114	0.05601	1.5E 00	4.313E 00	1.564E 00	1.507E 00	2.162E-05	2.369E-04	3.0	1.0
89.000	-0.0114	0.05456	1.5E 00	4.696E 00	1.611E 00	1.548E 00	4.117E-05	2.654E-04	3.0	1.0
90.000	-0.0114	0.05310	1.5E 00	4.950E 00	1.657E 00	1.591E 00	5.346E-05	2.649E-04	3.0	1.0
91.000	-0.0113	0.05171	1.5E 00	4.967E 00	1.700E 00	1.633E 00	5.346E-05	2.198E-04	3.0	1.0
91.200	-0.0113	0.01018	1.5E 00	4.860E 00	1.723E 00	1.641E 00	5.346E-05	2.192E-04	2.0	1.0
91.400	-0.0113	0.01013	1.5E 00	4.846E 00	1.731E 00	1.648E 00	5.346E-05	2.191E-04	2.0	1.0
91.600	-0.0113	0.01009	1.5E 00	4.835E 00	1.738E 00	1.656E 00	5.346E-05	2.189E-04	2.0	1.0
91.800	-0.0113	0.01004	1.5E 00	4.828E 00	1.746E 00	1.664E 00	5.346E-05	2.188E-04	2.0	1.0
92.000	-0.0113	0.00999	1.5E 00	4.824E 00	1.754E 00	1.672E 00	5.346E-05	2.187E-04	2.0	1.0
92.200	-0.0113	0.00995	1.5E 00	4.821E 00	1.761E 00	1.680E 00	5.346E-05	2.186E-04	2.0	1.0
92.400	-0.0113	0.00990	1.5E 00	4.821E 00	1.769E 00	1.687E 00	5.346E-05	2.185E-04	2.0	1.0
92.600	-0.0113	0.00985	1.5E 00	4.823E 00	1.777E 00	1.695E 00	5.346E-05	2.183E-04	2.0	1.0
92.800	-0.0113	0.00981	1.5E 00	4.213E 00	1.773E 00	1.702E 00	2.364E-05	-1.065E-04	2.0	1.0
93.000	-0.0113	0.00978	1.4E 00	3.664E 00	1.769E 00	1.707E 00	-3.352E-06	-1.046E-04	2.0	1.0

92.200	-0.0113	0.00995	1.5E 00	4.821E 00	1.761E 00	1.680E 00	5.346E-05	2.187E-04	2.0	1.0
92.400	-0.0113	0.00990	1.5E 00	4.821E 00	1.769E 00	1.687E 00	5.346E-05	2.185E-04	2.0	1.0
92.600	-0.0113	0.00985	1.5E 00	4.823E 00	1.777E 00	1.695E 00	5.346E-05	2.183E-04	2.0	1.0
92.800	-0.0113	0.00981	1.5E 00	4.213E 00	1.773E 00	1.702E 00	2.364E-05	-1.065E-04	2.0	1.0
93.000	-0.0113	0.00978	1.4E 00	3.664E 00	1.769E 00	1.707E 00	-3.352E-06	-1.064E-04	2.0	1.0

93.200	-0.0113	0.00975	1.4E 00	3.169E 00	1.766E 00	1.712E 00	-2.790E-05	-1.064E-04	2.0	1.0
93.400	-0.0113	0.00973	1.4E 00	2.720E 00	1.762E 00	1.715E 00	-5.033E-05	-1.064E-04	2.0	1.0
93.600	-0.0113	0.00971	1.3E 00	2.404E 00	1.758E 00	1.719E 00	-7.177E-05	-1.065E-04	1.0	1.0
93.800	-0.0113	0.00969	1.2E 00	7.457E-01	1.732E 00	1.720E 00	-1.335E-04	-7.370E-04	1.0	1.0
94.000	-0.0113	0.00969	1.2E 00	7.790E-01	1.706E 00	1.719E 00	-1.913E-04	-7.378E-04	1.0	1.0
94.200	-0.0114	0.00971	1.3E 00	2.199E 00	1.680E 00	1.716E 00	-2.503E-04	-7.390E-04	1.0	1.0
94.400	-0.0114	0.00974	1.6E 00	6.380E 00	1.597E 00	1.705E 00	-4.079E-04	-1.813E-03	2.0	1.0
94.600	-0.0115	0.00986	2.0E 00	1.372E 01	1.446E 00	1.676E 00	-7.676E-04	-3.470E-03	2.0	1.0

-0.		-0.50000		1.00000	-0.				
XNN1	YNN1	OTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	-0.5000	0.08342	1.1E 00	2.087E-01	9.963E-01	9.980E-01	-4.849E-05	9.837E-05	1.0	1.0
2.000	-0.5001	0.08353	1.0E 00	7.593E-02	9.967E-01	9.973E-01	-4.868E-05	9.838E-05	1.0	1.0
3.000	-0.5001	0.08356	1.0E 00	1.649E-02	9.971E-01	9.972E-01	-4.873E-05	9.839E-05	1.0	1.0
4.000	-0.5002	0.08356	1.0E 00	1.732E-02	9.975E-01	9.974E-01	-4.873E-05	9.840E-05	1.0	1.0
5.000	-0.5002	0.08354	1.0E 00	3.091E-02	9.979E-01	9.976E-01	-4.873E-05	9.841E-05	1.0	1.0
6.000	-0.5003	0.08352	1.0E 00	3.847E-02	9.983E-01	9.980E-01	-4.873E-05	1.039E-04	1.0	1.0
7.000	-0.5003	0.08349	1.0E 00	4.272E-02	9.987E-01	9.983E-01	-4.873E-05	1.039E-04	1.0	1.0
8.000	-0.5004	0.08346	1.0E 00	4.478E-02	9.991E-01	9.987E-01	-4.873E-05	1.039E-04	1.0	1.0
9.000	-0.5004	0.08342	1.0E 00	4.578E-02	9.995E-01	9.991E-01	-4.873E-05	1.039E-04	1.0	1.0
10.000	-0.5005	0.08339	1.0E 00	4.627E-02	9.999E-01	9.995E-01	-4.873E-05	1.039E-04	1.0	1.0
11.000	-0.5005	0.08335	1.0E 00	4.784E-02	1.000E 00	1.000E 00	-4.873E-05	1.148E-04	1.0	1.0
12.000	-0.5006	0.08332	1.0E 00	4.976E-02	1.001E 00	1.000E 00	-4.873E-05	1.148E-04	1.0	1.0
13.000	-0.5006	0.08328	1.0E 00	5.069E-02	1.001E 00	1.001E 00	-4.873E-05	1.148E-04	1.0	1.0
14.000	-0.5007	0.08324	1.0E 00	5.115E-02	1.002E 00	1.001E 00	-4.873E-05	1.149E-04	1.0	1.0
15.000	-0.5007	0.08320	1.0E 00	5.138E-02	1.002E 00	1.002E 00	-4.873E-05	1.149E-04	1.0	1.0
16.000	-0.5008	0.08317	1.0E 00	5.359E-02	1.003E 00	1.002E 00	-4.873E-05	1.321E-04	1.0	1.0
17.000	-0.5008	0.08313	1.0E 00	5.649E-02	1.003E 00	1.003E 00	-4.873E-05	1.321E-04	1.0	1.0
18.000	-0.5009	0.08308	1.0E 00	5.790E-02	1.004E 00	1.003E 00	-4.873E-05	1.322E-04	1.0	1.0
19.000	-0.5009	0.08304	1.0E 00	5.859E-02	1.004E 00	1.004E 00	-4.873E-05	1.322E-04	1.0	1.0
20.000	-0.5009	0.08300	1.0E 00	5.893E-02	1.005E 00	1.004E 00	-4.873E-05	1.322E-04	1.0	1.0
21.000	-0.5010	0.08295	1.0E 00	6.215E-02	1.005E 00	1.005E 00	-4.873E-05	1.572E-04	1.0	1.0
22.000	-0.5010	0.08291	1.0E 00	6.636E-02	1.006E 00	1.005E 00	-4.873E-05	1.573E-04	1.0	1.0
23.000	-0.5011	0.08286	1.0E 00	6.834E-02	1.007E 00	1.006E 00	-4.873E-05	1.573E-04	1.0	1.0
24.000	-0.5011	0.08281	1.0E 00	6.938E-02	1.007E 00	1.007E 00	-4.873E-05	1.573E-04	1.0	1.0
25.000	-0.5012	0.08275	1.0E 00	6.988E-02	1.008E 00	1.007E 00	-4.873E-05	1.573E-04	1.0	1.0
26.000	-0.5012	0.08270	1.0E 00	7.438E-02	1.009E 00	1.008E 00	-4.873E-05	1.924E-04	1.0	1.0
27.000	-0.5013	0.08264	1.0E 00	8.028E-02	1.009E 00	1.009E 00	-4.873E-05	1.925E-04	1.0	1.0
28.000	-0.5013	0.08259	1.0E 00	8.313E-02	1.010E 00	1.009E 00	-4.873E-05	1.925E-04	1.0	1.0
29.000	-0.5014	0.08252	1.0E 00	8.451E-02	1.011E 00	1.010E 00	-4.873E-05	1.925E-04	1.0	1.0
30.000	-0.5014	0.08246	1.0E 00	8.520E-02	1.012E 00	1.011E 00	-4.873E-05	1.925E-04	1.0	1.0
31.000	-0.5015	0.08240	1.0E 00	9.142E-02	1.013E 00	1.012E 00	-4.543E-05	2.411E-04	1.0	1.0
32.000	-0.5015	0.08233	1.0E 00	9.955E-02	1.014E 00	1.013E 00	-4.347E-05	2.412E-04	1.0	1.0
33.000	-0.5016	0.08225	1.0E 00	1.034E-01	1.014E 00	1.014E 00	-4.234E-05	2.412E-04	1.0	1.0
34.000	-0.5016	0.08218	1.0E 00	1.053E-01	1.015E 00	1.015E 00	-4.171E-05	2.412E-04	1.0	1.0
35.000	-0.5016	0.08210	1.0E 00	1.063E-01	1.016E 00	1.015E 00	-4.136E-05	2.412E-04	1.0	1.0
36.000	-0.5017	0.08202	1.1E 00	1.149E-01	1.017E 00	1.017E 00	-6.348E-06	3.085E-04	1.0	1.0
37.000	-0.5017	0.08193	1.1E 00	1.258E-01	1.019E 00	1.018E 00	1.116E-05	3.085E-04	1.0	1.0
38.000	-0.5017	0.08184	1.1E 00	1.311E-01	1.020E 00	1.019E 00	1.986E-05	3.085E-04	1.0	1.0
39.000	-0.5016	0.08175	1.1E 00	1.337E-01	1.021E 00	1.020E 00	2.418E-05	3.085E-04	1.0	1.0
40.000	-0.5016	0.08165	1.1E 00	1.350E-01	1.022E 00	1.021E 00	2.631E-05	3.085E-04	1.0	1.0
41.000	-0.5016	0.08155	1.1E 00	1.468E-01	1.024E 00	1.023E 00	7.591E-05	4.022E-04	1.0	1.0
42.000	-0.5015	0.08144	1.1E 00	1.622E-01	1.025E 00	1.024E 00	1.006E-04	4.021E-04	1.0	1.0
43.000	-0.5014	0.08132	1.1E 00	1.695E-01	1.027E 00	1.026E 00	1.127E-04	4.021E-04	1.0	1.0
44.000	-0.5013	0.08119	1.1E 00	1.731E-01	1.029E 00	1.027E 00	1.187E-04	4.020E-04	1.0	1.0
45.000	-0.5011	0.08107	1.1E 00	1.749E-01	1.030E 00	1.029E 00	1.216E-04	4.019E-04	1.0	1.0
46.000	-0.5010	0.08094	1.1E 00	1.915E-01	1.032E 00	1.030E 00	1.916E-04	5.340E-04	1.0	1.0
47.000	-0.5008	0.08079	1.1E 00	2.133E-01	1.034E 00	1.032E 00	2.262E-04	5.338E-04	1.0	1.0
48.000	-0.5006	0.08064	1.1E 00	2.237E-01	1.036E 00	1.034E 00	2.431E-04	5.336E-04	1.0	1.0
49.000	-0.5003	0.08050	1.1E 00	1.700E-01	1.038E 00	1.036E 00	2.474E-04	5.334E-04	2.0	1.0
50.000	-0.5001	0.08037	1.1E 00	1.948E-01	1.041E 00	1.038E 00	2.504E-04	5.331E-04	2.0	1.0
51.000	-0.4998	0.08022	1.1E 00	2.263E-01	1.043E 00	1.040E 00	3.251E-04	7.228E-04	2.0	1.0
52.000	-0.4995	0.08005	1.1E 00	2.610E-01	1.046E 00	1.042E 00	3.720E-04	7.224E-04	2.0	1.0
53.000	-0.4991	0.07986	1.1E 00	2.818E-01	1.049E 00	1.045E 00	4.012E-04	7.219E-04	2.0	1.0
54.000	-0.4987	0.07966	1.1E 00	2.948E-01	1.052E 00	1.047E 00	4.193E-04	7.214E-04	2.0	1.0
55.000	-0.4983	0.07945	1.1E 00	3.029E-01	1.055E 00	1.050E 00	4.304E-04	7.208E-04	2.0	1.0
56.000	-0.4978	0.07924	1.1E 00	3.316E-01	1.058E 00	1.053E 00	5.438E-04	9.989E-04	2.0	1.0

57.000	-0.4973	0.07899	1.1E 00	3.712E-01	1.062E 00	1.057E 00	6.143E-04	9.979E-04	2.0	1.0
58.000	-0.4967	0.07873	1.1E 00	3.957E-01	1.066E 00	1.060E 00	6.579E-04	9.968E-04	2.0	1.0
59.000	-0.4961	0.07846	1.1E 00	4.111E-01	1.070E 00	1.064E 00	6.846E-04	9.956E-04	2.0	1.0
60.000	-0.4954	0.07817	1.1E 00	4.209E-01	1.074E 00	1.068E 00	7.007E-04	9.944E-04	2.0	1.0
61.000	-0.4947	0.07788	1.1E 00	4.625E-01	1.079E 00	1.072E 00	8.707E-04	1.412E-03	2.0	1.0
62.000	-0.4938	0.07755	1.1E 00	5.212E-01	1.085E 00	1.077E 00	9.760E-04	1.410E-03	2.0	1.0
63.000	-0.4929	0.07719	1.1E 00	5.575E-01	1.090E 00	1.082E 00	1.041E-03	1.407E-03	2.0	1.0
64.000	-0.4919	0.07682	1.1E 00	5.805E-01	1.096E 00	1.087E 00	1.080E-03	1.4[illegible]-03	2.0	1.0
65.000	-0.4909	0.07644	1.1E 00	5.953E-01	1.102E 00	1.093E 00	1.103E-03	1.[illegible]-03	2.0	1.0
66.000	-0.4898	0.07602	1.2E 00	7.130E-01	1.109E 00	1.100E 00	1.388E-03	2.045E-03	3.0	1.0
67.000	-0.4884	0.07554	1.2E 00	7.888E-01	1.117E 00	1.107E 00	1.554E-03	2.040E-03	3.0	1.0
68.000	-0.4870	0.07502	1.2E 00	8.332E-01	1.126E 00	1.115E 00	1.649E-03	2.035E-03	3.0	1.0
69.000	-0.4855	0.07450	1.2E 00	8.601E-01	1.134E 00	1.123E 00	1.703E-03	2.029E-03	3.0	1.0
70.000	-0.4840	0.07397	1.2E 00	8.776E-01	1.142E 00	1.131E 00	1.731E-03	2.022E-03	3.0	1.0
71.000	-0.4822	0.07341	1.2E 00	9.839E-01	1.153E 00	1.140E 00	2.166E-03	3.034E-03	3.0	1.0
72.000	-0.4802	0.07278	1.2E 00	1.136E 00	1.165E 00	1.150E 00	2.422E-03	3.023E-03	3.0	1.0
73.000	-0.4781	0.07209	1.2E 00	1.224E 00	1.178E 00	1.162E 00	2.566E-03	3.010E-03	3.0	1.0
74.000	-0.4759	0.07137	1.2E 00	1.277E 00	1.190E 00	1.174E 00	2.645E-03	2.997E-03	3.0	1.0
75.000	-0.4736	0.07065	1.2E 00	1.311E 00	1.203E 00	1.186E 00	2.685E-03	2.983E-03	3.0	1.0
76.000	-0.4711	0.06989	1.3E 00	1.488E 00	1.219E 00	1.199E 00	3.375E-03	4.590E-03	3.0	1.0
77.000	-0.4681	0.06902	1.3E 00	1.737E 00	1.238E 00	1.215E 00	3.774E-03	4.565E-03	3.0	1.0
78.000	-0.4649	0.06807	1.3E 00	1.882E 00	1.257E 00	1.233E 00	3.996E-03	4.536E-03	3.0	1.0
79.000	-0.4617	0.06710	1.3E 00	1.970E 00	1.277E 00	1.251E 00	4.112E-03	4.506E-03	3.0	1.0
80.000	-0.4584	0.06612	1.3E 00	2.030E 00	1.296E 00	1.270E 00	4.168E-03	4.474E-03	3.0	1.0
81.000	-0.4548	0.06511	1.3E 00	2.256E 00	1.320E 00	1.290E 00	4.964E-03	6.333E-03	3.0	1.0
82.000	-0.4508	0.06401	1.4E 00	2.570E 00	1.347E 00	1.314E 00	5.417E-03	6.284E-03	3.0	1.0
83.000	-0.4466	0.06284	1.4E 00	2.757E 00	1.375E 00	1.339E 00	5.660E-03	6.229E-03	3.0	1.0
84.000	-0.4422	0.06158	1.4E 00	3.167E 00	1.409E 00	1.368E 00	6.390E-03	7.650E-03	3.0	1.0
85.000	-0.4374	0.06025	1.4E 00	3.410E 00	1.444E 00	1.399E 00	6.788E-03	7.574E-03	3.0	1.0
86.000	-0.4323	0.05888	1.5E 00	3.727E 00	1.481E 00	1.432E 00	7.626E-03	9.057E-03	3.0	1.0
87.000	-0.4269	0.05745	1.5E 00	4.084E 00	1.523E 00	1.469E 00	8.080E-03	8.952E-03	3.0	1.0
88.000	-0.4214	0.05601	1.5E 00	4.313E 00	1.564E 00	1.507E 00	8.304E-03	8.840E-03	3.0	1.0
89.000	-0.4158	0.05456	1.5E 00	4.701E 00	1.611E 00	1.548E 00	8.817E-03	9.792E-03	3.0	1.0
90.000	-0.4101	0.05310	1.5E 00	4.956E 00	1.657E 00	1.591E 00	9.073E-03	9.661E-03	3.0	1.0
91.000	-0.4046	0.05170	1.5E 00	4.983E 00	1.700E 00	1.633E 00	8.580E-03	7.980E-03	3.0	1.0
91.200	-0.4036	0.01018	1.5E 00	4.886E 00	1.723E 00	1.641E 00	8.500E-03	7.872E-03	2.0	1.0
91.400	-0.4026	0.01013	1.5E 00	4.875E 00	1.731E 00	1.649E 00	8.426E-03	7.852E-03	2.0	1.0
91.600	-0.4015	0.01008	1.5E 00	4.867E 00	1.739E 00	1.657E 00	8.356E-03	7.831E-03	2.0	1.0
91.800	-0.4005	0.01004	1.5E 00	4.862E 00	1.747E 00	1.665E 00	8.292E-03	7.811E-03	2.0	1.0
92.000	-0.3995	0.00999	1.5E 00	4.859E 00	1.755E 00	1.672E 00	8.232E-03	7.792E-03	2.0	1.0
92.200	-0.3986	0.00994	1.5E 00	4.858E 00	1.763E 00	1.680E 00	8.175E-03	7.772E-03	2.0	1.0
92.400	-0.3976	0.00990	1.5E 00	4.860E 00	1.770E 00	1.688E 00	8.122E-03	7.753E-03	2.0	1.0
92.600	-0.3966	0.00985	1.5E 00	4.863E 00	1.778E 00	1.696E 00	8.072E-03	7.734E-03	2.0	1.0
92.800	-0.3958	0.00981	1.5E 00	4.343E 00	1.775E 00	1.702E 00	7.112E-03	-3.207E-03	2.0	1.0
93.000	-0.3950	0.00977	1.5E 00	3.835E 00	1.773E 00	1.708E 00	6.257E-03	-3.202E-03	2.0	1.0
93.200	-0.3943	0.00974	1.4E 00	3.377E 00	1.770E 00	1.713E 00	5.491E-03	-3.197E-03	2.0	1.0
93.400	-0.3937	0.00972	1.4E 00	2.963E 00	1.767E 00	1.717E 00	4.804E-03	-3.193E-03	2.0	1.0
93.600	-0.3932	0.00970	1.4E 00	2.587E 00	1.764E 00	1.721E 00	4.185E-03	-3.190E-03	2.0	1.0
93.800	-0.3928	0.00968	1.3E 00	2.008E 00	1.745E 00	1.723E 00	2.187E-03	-2.214E-02	1.0	1.0
94.000	-0.3926	0.00967	1.2E 00	1.380E 00	1.725E 00	1.723E 00	4.318E-04	-2.212E-02	1.0	1.0
94.200	-0.3927	0.00968	1.3E 00	1.603E 00	1.706E 00	1.721E 00	-1.229E-03	-2.211E-02	1.0	1.0
94.400	-0.3931	0.00970	1.5E 00	4.275E 00	1.658E 00	1.716E 00	-5.172E-03	-4.885E-02	2.0	1.0
94.600	-0.3941	0.00974	1.7E 00	7.771E 00	1.595E 00	1.705E 00	-1.265E-02	-8.389E-02	2.0	1.0
94.800	-0.3967	0.00983	2.0E 00	1.303E 01	1.526E 00	1.685E 00	-3.103E-02	-1.786E-01	3.0	1.0
95.000	-0.4028	0.00997	2.3E 00	1.994E 01	1.468E 00	1.657E 00	-7.067E-02	-3.393E-01	3.0	1.0
95.200	-0.4134	0.01015	2.3E 00	1.901E 01	1.413E 00	1.626E 00	-1.047E-01	-3.352E-01	3.0	1.0
95.400	-0.4300	0.01033	2.5E 00	2.352E 01	1.444E 00	1.600E 00	-1.623E-01	-5.140E-01	3.0	1.0
95.600	-0.4533	0.01048	2.3E 00	1.981E 01	1.446E 00	1.579E 00	-2.084E-01	-5.052E-01	3.0	1.0

-0.	-0.75000	1.00000	-0.

XNN1	YNN1	DTW	CK	REN	VDX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	-0.7500	0.08342	1.1E 00	2.091E-01	9.963E-01	9.980E-01	-0.	1.476E-04	1.0	1.0
2.000	-0.7500	0.08353	1.0E 00	7.577E-02	9.967E-01	9.973E-01	-0.	1.476E-04	1.0	1.0
3.000	-0.7500	0.08356	1.0E 00	1.644E-02	9.971E-01	9.972E-01	-0.	1.476E-04	1.0	1.0
4.000	-0.7500	0.08356	1.0E 00	1.737E-02	9.975E-01	9.973E-01	-0.	1.476E-04	1.0	1.0
5.000	-0.7500	0.08354	1.0E 00	3.094E-02	9.979E-01	9.976E-01	-0.	1.476E-04	1.0	1.0
6.000	-0.7500	0.08352	1.0E 00	3.852E-02	9.983E-01	9.980E-01	-0.	1.557E-04	1.0	1.0

7.000	-0.7500	0.08349	1.0E 00	4.276E-02	9.987E-01	9.903E-01	-0.	1.590E-06	1.557E-04	1.0	1.0
8.000	-0.7500	0.08346	1.0E 00	4.481E-02	9.991E-01	9.987E-01	-0.	2.629E-06	1.557E-04	1.0	1.0
9.000	-0.7500	0.08342	1.0E 00	4.581E-02	9.995E-01	9.991E-01	-0.	3.260E-06	1.557E-04	1.0	1.0
10.000	-0.7500	0.08339	1.0E 00	4.630E-02	9.999E-01	9.995E-01	-0.	3.626E-06	1.557E-04	1.0	1.0
11.000	-0.7500	0.08335	1.0E 00	4.793E-02	1.000E 00	1.000E 00	-0.	3.833E-06	1.721E-04	1.0	1.0
12.000	-0.7500	0.08332	1.0E 00	4.985E-02	1.001E 00	1.000E 00	-0.	4.143E-05	1.721E-04	1.0	1.0
13.000	-0.7500	0.08328	1.0E 00	5.078E-02	1.001E 00	1.001E 00	-0.	6.011E-05	1.721E-04	1.0	1.0
14.000	-0.7500	0.08324	1.0E 00	5.123E-02	1.002E 00	1.001E 00	-0.	6.935F-05	1.721E-04	1.0	1.0
15.000	-0.7500	0.08320	1.0E 00	5.147E-02	1.002E 00	1.002E 00	-0.	7.391F-05	1.979E-04	1.0	1.0
16.000	-0.7500	0.08317	1.0E 00	5.378E-02	1.003E 00	1.002E 00	-0.	7.615E-05	1.979E-04	1.0	1.0
17.000	-0.7500	0.08313	1.0E 00	5.667E-02	1.003E 00	1.003E 00	-0.	7.291E-04	1.979E-04	1.0	1.0
18.000	-0.7500	0.08308	1.0E 00	5.808E-02	1.004E 00	1.003E 00	-0.	1.553E-04	1.979E-04	1.0	1.0
19.000	-0.7500	0.08304	1.0E 00	5.876E-02	1.004E 00	1.004E 00	-0.	1.682E-04	2.354E-04	1.0	1.0
20.000	-0.7500	0.08300	1.0E 00	5.911E-02	1.005E 00	1.004E 00	-0.	1.745E-04	2.354E-04	1.0	1.0
21.000	-0.7500	0.08295	1.0E 00	6.248E-02	1.005E 00	1.005E 00	-0.	1.776E-04	2.354E-04	1.0	1.0
22.000	-0.7500	0.08291	1.0E 00	6.666F-02	1.006E 00	1.005E 00	-0.	2.513E-04	2.354E-04	1.0	1.0
23.000	-0.7500	0.08286	1.0E 00	6.869E-02	1.007E 00	1.006E 00	-0.	2.877E-04	2.879E-04	1.0	1.0
24.000	-0.7500	0.08281	1.0E 00	6.960E-02	1.007E 00	1.007E 00	-0.	3.054E-04	2.879E-04	1.0	1.0
25.000	-0.7500	0.08275	1.0E 00	7.017E-02	1.008E 00	1.007E 00	-0.	3.140E-04	2.879E-04	1.0	1.0
26.000	-0.7500	0.08270	1.0E 00	7.491E-02	1.009E 00	1.008E 00	-0.	3.181E-04	2.879E-04	1.0	1.0
27.000	-0.7500	0.08264	1.0E 00	8.075E-02	1.009E 00	1.009E 00	-0.	4.221E-04	3.606E-04	1.0	1.0
28.000	-0.7500	0.08259	1.0E 00	8.356F-02	1.010E 00	1.009E 00	-0.	4.731E-04	3.606E-04	1.0	1.0
29.000	-0.7500	0.08252	1.0E 00	8.493E-02	1.011E 00	1.010E 00	-0.	4.978E-04	3.606E-04	1.0	1.0
30.000	-0.7500	0.08246	1.0E 00	8.561E-02	1.012E 00	1.011E 00	-0.	5.047E-04	3.606E-04	1.0	1.0
31.000	-0.7500	0.08240	1.0E 00	9.216C-02	1.013E 00	1.012E 00	-0.	5.094E-04	3.606E-04	1.0	1.0
32.000	-0.7499	0.08233	1.0E 00	9.985E-02	1.014E 00	1.013E 00	-0.	5.203E-04	4.606E-04	1.0	1.0
33.000	-0.7499	0.08225	1.0E 00	1.036F-01	1.014E 00	1.014E 00	-0.	6.895C-04	4.606E-04	1.0	1.0
34.000	-0.7498	0.08218	1.0E 00	1.054E-01	1.015E 00	1.015E 00	-0.	7.324E-04	4.606E-04	1.0	1.0
35.000	-0.7497	0.08210	1.0E 00	1.063E-01	1.016E 00	1.015E 00	-0.	7.584E-04	4.606E-04	1.0	1.0
36.000	-0.7496	0.08202	1.1E 00	1.152E-01	1.017E 00	1.017E 00	-0.	7.745E-04	4.609E-04	1.0	1.0
37.000	-0.7495	0.08193	1.1E 00	1.260F-01	1.017E 00	1.018E 00	-0.	9.431E-04	4.607E-04	1.0	1.0
38.000	-0.7493	0.08184	1.1E 00	1.312E-01	1.020E 00	1.019E 00	-0.	1.047E-03	4.607E-04	1.0	1.0
39.000	-0.7491	0.08175	1.1E 00	1.337E-01	1.021E 00	1.020E 00	-0.	1.111E-03	4.606E-04	1.0	1.0
40.000	-0.7490	0.08165	1.1E 00	1.350E-01	1.022E 00	1.021E 00	-0.	1.150E-03	4.482E-03	1.0	1.0
41.000	-0.7488	0.08155	1.1E 00	1.472E-01	1.024E 00	1.023E 00	-0.	1.174E-03	4.479E-03	1.0	1.0
42.000	-0.7485	0.08144	1.1E 00	1.623E-01	1.025E 00	1.024E 00	-0.	1.420E-03	2.100K-03	1.0	1.0
43.000	-0.7482	0.08132	1.1E 00	1.696F-01	1.027E 00	1.026E 00	-0.	1.582E-03	2.097E-03	1.0	1.0
44.000	-0.7479	0.08119	1.1E 00	1.731E-01	1.029E 00	1.027E 00	-0.	1.677E-03	2.093E-03	1.0	1.0
45.000	-0.7476	0.08107	1.1E 00	1.749F-01	1.030E 00	1.029E 00	-0.	1.734E-03	2.089E-03	1.0	1.0
46.000	-0.7472	0.08094	1.1E 00	1.920F-01	1.032E 00	1.030E 00	-0.	1.768E-03	2.084E-03	1.0	1.0
47.000	-0.7468	0.08079	1.1E 00	2.135C-01	1.034E 00	1.032E 00	-0.	1.790E-03	3.039E-03	1.0	1.0
48.000	-0.7463	0.08064	1.1E 00	2.238E-01	1.036E 00	1.034E 00	-0.	2.190E-03	3.032E-03	1.0	1.0
49.000	-0.7458	0.08050	1.1E 00	2.700E-01	1.038E 00	1.036E 00	-0.	2.435E-03	3.023E-03	1.0	1.0
50.000	-0.7454	0.08037	1.1E 00	1.948F-01	1.041E 00	1.038E 00	-0.	2.575E-03	3.014E-03	1.0	1.0
51.000	-0.7448	0.08022	1.1E 00	2.267F-01	1.043E 00	1.040E 00	-0.	3.342E-03	3.004E-03	1.0	1.0
52.000	-0.7442	0.08005	1.1E 00	2.606E-01	1.046E 00	1.042E 00	-0.	3.717E-03	4.505E-03	1.0	1.0
53.000	-0.7435	0.07986	1.1E 00	2.815F-01	1.049E 00	1.045E 00	-0.	4.408E-03	4.488E-03	1.0	1.0
54.000	-0.7428	0.07966	1.1E 00	2.945F-01	1.052E 00	1.047E 00	-0.				
55.000	-0.7421	0.07946	1.1E 00	3.027E-01	1.055E 00	1.050E 00	-0.				
56.000	-0.7412	0.07924	1.1E 00	3.320E-01	1.058E 00	1.053E 00	-0.				
57.000	-0.7403	0.07899	1.1E 00	3.713E-01	1.062C 00	1.057E 00	-0.				
58.000	-0.7393	0.07873	1.1E 00	3.956E-01	1.066E 00	1.060E 00	-0.				
59.000	-0.7382	0.07846	1.1E 00	4.109E-01	1.070E 00	1.064E 00	-0.				
60.000	-0.7371	0.07818	1.1E 00	4.207E-01	1.074E 00	1.068E 00	-0.				
61.000	-0.7359	0.07788	1.1E 00	4.629E-01	1.079E 00	1.072E 00	-0.				
62.000	-0.7345	0.07755	1.1E 00	5.212E-01	1.085E 00	1.077E 00	-0.				
63.000	-0.7330	0.07719	1.1E 00	5.574E-01	1.090E 00	1.082E 00	-0.				
64.000	-0.7314	0.07682	1.1E 00	5.802E-01	1.096E 00	1.087E 00	-0.				
65.000	-0.7298	0.07644	1.1E 00	5.951E-01	1.102E 00	1.093E 00	-0.				
66.000	-0.7280	0.07602	1.2E 00	7.136E-01	1.109E 00	1.100E 00	-0.				
67.000	-0.7259	0.07554	1.2E 00	7.887E-01	1.117E 00	1.107E 00	-0.				
68.000	-0.7237	0.07503	1.2E 00	8.328E-01	1.125E 00	1.115E 00	-0.				
69.000	-0.7213	0.07450	1.2E 00	8.597E-01	1.134E 00	1.123E 00	-0.				
70.000	-0.7190	0.07397	1.2E 00	8.771E-01	1.142E 00	1.131E 00	-0.				
71.000	-0.7163	0.07341	1.2E 00	9.850E-01	1.153E 00	1.140E 00	-0.				
72.000	-0.7132	0.07278	1.2E 00	1.136E 00	1.165E 00	1.150E 00	-0.				

73.000	-0.7099	0.07209	1.2E 00	1.223E 00	1.178E 00	1.162E 00	3.929E-03	4.469E-03	3.0	1.0
74.000	-0.7065	0.07138	1.2E 00	1.276E 00	1.190E 00	1.173E 00	4.045E-03	4.448E-03	3.0	1.0
75.000	-0.7030	0.07066	1.2E 00	1.310E 00	1.203E 00	1.185E 00	4.103E-03	4.427E-03	3.0	1.0
76.000	-0.6992	0.06989	1.3E 00	1.489E 00	1.219E 00	1.199E 00	5.125E-03	6.811E-03	3.0	1.0
77.000	-0.6947	0.06903	1.3E 00	1.736E 00	1.238E 00	1.215E 00	5.715E-03	6.773E-03	3.0	1.0
78.000	-0.6899	0.06808	1.3E 00	1.880E 00	1.257E 00	1.233E 00	6.041E-03	6.730E-03	3.0	1.0
79.000	-0.6849	0.06711	1.3E 00	1.964E 00	1.277E 00	1.251E 00	6.213E-03	6.683E-03	3.0	1.0
80.000	-0.6800	0.06613	1.3E 00	2.029E 00	1.296E 00	1.269E 00	6.293E-03	6.636E-03	3.0	1.0
81.000	-0.6746	0.06512	1.3E 00	2.257E 00	1.320E 00	1.290E 00	7.472E-03	9.393E-03	3.0	1.0
82.000	-0.6686	0.06402	1.4E 00	2.569E 00	1.347E 00	1.313E 00	8.141E-03	9.318E-03	3.0	1.0
83.000	-0.6623	0.06285	1.4E 00	2.755E 00	1.375E 00	1.339E 00	8.500E-03	9.236E-03	3.0	1.0
84.000	-0.6556	0.06159	1.4E 00	3.167E 00	1.404E 00	1.367E 00	9.580E-03	1.134E-02	3.0	1.0
85.000	-0.6485	0.06026	1.4E 00	3.409E 00	1.443E 00	1.398E 00	1.017E-02	1.123E-02	3.0	1.0
86.000	-0.6409	0.05889	1.5E 00	3.728E 00	1.481E 00	1.432E 00	1.141E-02	1.343E-02	3.0	1.0
87.000	-0.6328	0.05746	1.5E 00	4.085E 00	1.523E 00	1.469E 00	1.208E-02	1.327E-02	3.0	1.0
88.000	-0.6246	0.05602	1.5E 00	4.315E 00	1.564E 00	1.507E 00	1.241E-02	1.311E-02	3.0	1.0
89.000	-0.6162	0.05456	1.5E 00	4.709E 00	1.611E 00	1.548E 00	1.318E-02	1.453E-02	3.0	1.0
90.000	-0.6077	0.05310	1.5E 00	4.967E 00	1.657E 00	1.591E 00	1.356E-02	1.434E-02	3.0	1.0
91.000	-0.5995	0.05170	1.5E 00	5.013E 00	1.701E 00	1.633E 00	1.286E-02	1.193E-02	3.0	1.0
91.200	-0.5979	0.01018	1.5E 00	4.937E 00	1.725E 00	1.641E 00	1.275E-02	1.177E-02	2.0	1.0
91.400	-0.5964	0.01013	1.5E 00	4.930E 00	1.733E 00	1.649E 00	1.264E-02	1.174E-02	2.0	1.0
91.600	-0.5948	0.01008	1.5E 00	4.926E 00	1.741E 00	1.657E 00	1.254E-02	1.170E-02	2.0	1.0
91.800	-0.5933	0.01003	1.5E 00	4.925E 00	1.749E 00	1.665E 00	1.245E-02	1.167E-02	2.0	1.0
92.000	-0.5918	0.00998	1.5E 00	4.925E 00	1.757E 00	1.673E 00	1.236E-02	1.164E-02	2.0	1.0
92.200	-0.5904	0.00994	1.5E 00	4.928E 00	1.765E 00	1.681E 00	1.228E-02	1.161E-02	2.0	1.0
92.400	-0.5889	0.00989	1.5E 00	4.933E 00	1.773E 00	1.689E 00	1.220E-02	1.158E-02	2.0	1.0
92.600	-0.5875	0.00984	1.5E 00	4.939E 00	1.781E 00	1.697E 00	1.213E-02	1.155E-02	2.0	1.0
92.800	-0.5861	0.00980	1.5E 00	4.531E 00	1.780E 00	1.704E 00	1.076E-02	-3.902E-03	2.0	1.0
93.000	-0.5850	0.00976	1.5E 00	4.085E 00	1.778E 00	1.710E 00	9.539E-03	-3.900E-03	2.0	1.0
93.200	-0.5839	0.00973	1.4E 00	3.683E 00	1.777E 00	1.716E 00	8.442E-03	-3.899E-03	2.0	1.0
93.400	-0.5830	0.00970	1.4E 00	3.321E 00	1.776E 00	1.720E 00	7.455E-03	-3.898E-03	2.0	1.0
93.600	-0.5822	0.00968	1.4E 00	2.994E 00	1.774E 00	1.724E 00	6.564E-03	-3.897E-03	2.0	1.0
93.800	-0.5816	0.00966	1.4E 00	2.882E 00	1.762E 00	1.727E 00	3.782E-03	-2.817E-02	1.0	1.0
94.000	-0.5813	0.00964	1.3E 00	2.187E 00	1.749E 00	1.729E 00	1.339E-03	-2.816E-02	1.0	1.0
94.200	-0.5812	0.00964	1.3E 00	1.722E 00	1.737E 00	1.730E 00	-8.405E-04	-2.815E-02	1.0	1.0
94.400	-0.5816	0.00964	1.4E 00	3.325E 00	1.713E 00	1.728E 00	-5.456E-03	-5.722E-02	1.0	1.0
94.600	-0.5827	0.00965	1.6E 00	5.139E 00	1.685E 00	1.725E 00	-1.270E-02	-9.018E-02	2.0	1.0
94.800	-0.5850	0.00968	1.8E 00	8.683E 00	1.656E 00	1.718E 00	-2.697E-02	-1.592E-01	3.0	1.0
95.000	-0.5896	0.00973	2.0E 00	1.307E 01	1.630E 00	1.708E 00	-5.203E-02	-2.553E-01	3.0	1.0
95.200	-0.5970	0.00979	2.0E 00	1.219E 01	1.603E 00	1.697E 00	-7.392E-02	-2.545E-01	3.0	1.0
95.400	-0.6084	0.00986	2.3E 00	1.975E 01	1.585E 00	1.683E 00	-1.191E-01	-4.300E-01	3.0	1.0
95.600	-0.6248	0.00995	2.2E 00	1.742E 01	1.564E 00	1.668E 00	-1.567E-01	-4.255E-01	3.0	1.0
95.800	-0.6473	0.01003	2.5E 00	2.361E 01	1.565C 00	1.654E 00	-2.166E-01	-5.935E-01	3.0	1.0
96.000	-0.6765	0.01011	2.3E 00	1.990E 01	1.567E 00	1.643E 00	-2.643E-01	-5.831E-01	3.0	1.0

-0.	-0.87500	1.00000	-0.

XNN1	YMN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VOY	XKT	DIRECT
1.000	-0.8750	0.08342	1.1E 00	2.091E-01	9.963E-01	9.960E-01	-0.	1.723E-04	1.0	1.0
2.000	-0.8750	0.08353	1.0E 00	7.594E-02	9.967E-01	9.973E-01	-0.	1.723E-04	1.0	1.0
3.000	-0.8750	0.08356	1.0E 00	1.719E-02	9.971E-01	9.972E-01	-0.	1.723E-04	1.0	1.0
4.000	-0.8750	0.08356	1.0E 00	1.808E-02	9.975E-01	9.973E-01	-0.	1.723E-04	1.0	1.0
5.000	-0.8750	0.08354	1.0E 00	3.134E-02	9.979E-01	9.976E-01	-0.	1.723E-04	1.0	1.0
6.000	-0.8750	0.08352	1.0E 00	3.884E-02	9.983E-01	9.980E-01	-0.	1.817E-04	1.0	1.0
7.000	-0.8750	0.08349	1.0E 00	4.308E-02	9.987E-01	9.983E-01	-0.	1.817E-04	1.0	1.0
8.000	-0.8750	0.08346	1.0E 00	4.512E-02	9.991E-01	9.987E-01	-0.	1.817E-04	1.0	1.0
9.000	-0.8750	0.08342	1.0E 00	4.611E-02	9.995E-01	9.991E-01	-0.	1.817E-04	1.0	1.0
10.000	-0.8750	0.08339	1.0E 00	4.660E-02	9.999E-01	9.995E-01	-0.	1.817E-04	1.0	1.0
11.000	-0.8750	0.08335	1.0E 00	4.828E-02	1.000E 00	1.000E 00	-0.	2.007E-04	1.0	1.0
12.000	-0.8750	0.08332	1.0E 00	5.018E-02	1.001E 00	1.000E 00	-0.	2.007E-04	1.0	1.0
13.000	-0.8750	0.08328	1.0E 00	5.111E-02	1.001E 00	1.001E 00	-0.	2.007E-04	1.0	1.0
14.000	-0.8750	0.08324	1.0E 00	5.156E-02	1.002E 00	1.001E 00	-0.	2.007E-04	1.0	1.0
15.000	-0.8750	0.08320	1.0E 00	5.179E-02	1.002E 00	1.002E 00	-0.	3.007E-04	1.0	1.0
16.000	-0.8750	0.08317	1.0E 00	5.420E-02	1.003E 00	1.002E 00	-0.	2.309E-04	1.0	1.0
17.000	-0.8750	0.08313	1.0E 00	5.706E-02	1.003E 00	1.003E 00	-0.	2.309E-04	1.0	1.0
18.000	-0.8750	0.08308	1.0E 00	5.845E-02	1.004E 00	1.003E 00	-0.	2.309E-04	1.0	1.0
19.000	-0.8750	0.08304	1.0E 00	5.914E-02	1.004E 00	1.004E 00	-0.	2.309E-04	1.0	1.0
20.000	-0.8750	0.08300	1.0E 00	5.948E-02	1.005E 00	1.004E 00	-0.	2.309E-04	1.0	1.0

21.000	-0.8750	0.08295	1.0E 00	6.298E-02	1.005E 00	1.005E 00	-0.	2.746E-04	1.0	1.0
22.000	-0.8750	0.08291	1.0E 00	6.713E-02	1.006E 00	1.005E 00	-0.	2.746E-04	1.0	1.0
23.000	-0.8750	0.08286	1.0E 00	6.914E-02	1.007E 00	1.006E 00	-0.	2.746E-04	1.0	1.0
24.000	-0.8750	0.08281	1.0E 00	7.012E-02	1.007E 00	1.007E 00	-0.	2.746E-04	1.0	1.0
25.000	-0.8750	0.08275	1.0E 00	7.061E-02	1.008E 00	1.007E 00	-0.	2.746E-04	1.0	1.0
26.000	-0.8750	0.08270	1.0E 00	7.553E-02	1.009E 00	1.008E 00	2.615E-05	3.359E-04	1.0	1.0
27.000	-0.8750	0.08264	1.0E 00	8.101E-02	1.009E 00	1.009E 00	3.918E-05	3.359E-04	1.0	1.0
28.000	-0.8749	0.08259	1.0E 00	8.368E-02	1.010E 00	1.009E 00	4.566E-05	3.359E-04	1.0	1.0
29.000	-0.8749	0.08252	1.0E 00	8.498E-02	1.011E 00	1.010E 00	4.886E-05	3.359E-04	1.0	1.0
30.000	-0.8748	0.08246	1.0E 00	8.564E-02	1.012E 00	1.011E 00	5.045E-05	3.359E-04	1.0	1.0
31.000	-0.8747	0.08240	1.0E 00	9.233E-02	1.013E 00	1.012E 00	9.491E-05	4.206E-04	1.0	1.0
32.000	-0.8746	0.08233	1.0E 00	9.991E-02	1.014E 00	1.013E 00	1.169E-04	4.206E-04	1.0	1.0
33.000	-0.8745	0.08225	1.0E 00	1.036E-01	1.014E 00	1.014E 00	1.278E-04	4.205E-04	1.0	1.0
34.000	-0.8744	0.08218	1.0E 00	1.054E-01	1.015E 00	1.015E 00	1.331E-04	4.205E-04	1.0	1.0
35.000	-0.8743	0.08210	1.0E 00	1.063E-01	1.016E 00	1.015E 00	1.357E-04	4.204E-04	1.0	1.0
36.000	-0.8741	0.08202	1.1E 00	1.154E-01	1.017E 00	1.017E 00	1.974E-04	5.376E-04	1.0	1.0
37.000	-0.8739	0.08193	1.1E 00	1.260E-01	1.019E 00	1.018E 00	2.278E-04	5.375E-04	1.0	1.0
38.000	-0.8737	0.08184	1.1E 00	1.312E-01	1.020E 00	1.019E 00	2.428E-04	5.373E-04	1.0	1.0
39.000	-0.8734	0.08175	1.1E 00	1.337E-01	1.021E 00	1.020E 00	2.500E-04	5.372E-04	1.0	1.0
40.000	-0.8732	0.08165	1.1E 00	1.350E-01	1.022E 00	1.021E 00	2.535E-04	5.370E-04	1.0	1.0
41.000	-0.8729	0.08155	1.1E 00	1.474E-01	1.024E 00	1.023E 00	3.394E-04	6.999E-04	1.0	1.0
42.000	-0.8725	0.08144	1.1E 00	1.624E-01	1.025E 00	1.024E 00	3.816E-04	6.997E-04	1.0	1.0
43.000	-0.8721	0.08132	1.1E 00	1.696E-01	1.027E 00	1.026E 00	4.022E-04	6.994E-04	1.0	1.0
44.000	-0.8717	0.08119	1.1E 00	1.731E-01	1.029E 00	1.027E 00	4.121E-04	6.991E-04	1.0	1.0
45.000	-0.8713	0.08107	1.1E 00	1.749E-01	1.030E 00	1.029E 00	4.168E-04	6.988E-04	1.0	1.0
46.000	-0.8709	0.08094	1.1E 00	1.922E-01	1.032E 00	1.030E 00	5.379E-04	9.282E-04	1.0	1.0
47.000	-0.8703	0.08079	1.1E 00	2.136E-01	1.034E 00	1.032E 00	5.971E-04	9.278E-04	1.0	1.0
48.000	-0.8697	0.08064	1.1E 00	2.238E-01	1.036E 00	1.034E 00	6.257E-04	9.272E-04	1.0	1.0
49.000	-0.8691	0.08050	1.1E 00	1.700E-01	1.038E 00	1.036E 00	6.339E-04	9.265E-04	2.0	1.0
50.000	-0.8685	0.08037	1.1E 00	1.948E-01	1.041E 00	1.038E 00	6.394E-04	9.259E-04	2.0	1.0
51.000	-0.8678	0.08022	1.1E 00	2.270E-01	1.043E 00	1.040E 00	7.685E-04	1.255E-03	2.0	1.0
52.000	-0.8671	0.08005	1.1E 00	2.607E-01	1.046E 00	1.042E 00	8.489E-04	1.254E-03	2.0	1.0
53.000	-0.8662	0.07986	1.1E 00	2.816E-01	1.049E 00	1.045E 00	8.987E-04	1.253E-03	2.0	1.0
54.000	-0.8653	0.07966	1.1E 00	2.945E-01	1.052E 00	1.047E 00	9.293E-04	1.252E-03	2.0	1.0
55.000	-0.8645	0.07946	1.1E 00	3.027E-01	1.055E 00	1.050E 00	9.478E-04	1.250E-03	2.0	1.0
56.000	-0.8635	0.07924	1.1E 00	3.323E-01	1.058E 00	1.053E 00	1.144E-03	1.732E-03	2.0	1.0
57.000	-0.8623	0.07899	1.1E 00	3.714E-01	1.062E 00	1.057E 00	1.265E-03	1.730E-03	2.0	1.0
58.000	-0.8611	0.07873	1.1E 00	3.957E-01	1.066E 00	1.060E 00	1.339E-03	1.728E-03	2.0	1.0
59.000	-0.8598	0.07846	1.1E 00	4.109E-01	1.070E 00	1.064E 00	1.384E-03	1.726E-03	2.0	1.0
60.000	-0.8585	0.07818	1.1E 00	4.207E-01	1.074E 00	1.068E 00	1.411E-03	1.723E-03	2.0	1.0
61.000	-0.8570	0.07788	1.1E 00	4.634E-01	1.079E 00	1.072E 00	1.705E-03	2.446E-03	2.0	1.0
62.000	-0.8554	0.07755	1.1E 00	5.214E-01	1.085E 00	1.077E 00	1.886E-03	2.442E-03	2.0	1.0
63.000	-0.8536	0.07719	1.1E 00	5.574E-01	1.090E 00	1.082E 00	1.996E-03	2.437E-03	2.0	1.0
64.000	-0.8517	0.07682	1.1E 00	5.802E-01	1.096E 00	1.087E 00	2.062E-03	2.432E-03	2.0	1.0
65.000	-0.8498	0.07644	1.1E 00	5.951E-01	1.102E 00	1.093E 00	2.102E-03	2.427E-03	2.0	1.0
66.000	-0.8476	0.07602	1.2E 00	7.143E-01	1.109E 00	1.100E 00	2.593E-03	3.538E-03	3.0	1.0
67.000	-0.8452	0.07554	1.2E 00	7.889E-01	1.117E 00	1.107E 00	2.877E-03	3.529E-03	3.0	1.0
68.000	-0.8425	0.07503	1.2E 00	8.329E-01	1.125E 00	1.115E 00	3.040E-03	3.519E-03	3.0	1.0
69.000	-0.8397	0.07450	1.2E 00	8.597E-01	1.134E 00	1.123E 00	3.130E-03	3.508E-03	3.0	1.0
70.000	-0.8369	0.07397	1.2E 00	8.771E-01	1.142E 00	1.131E 00	3.178E-03	3.497E-03	3.0	1.0
71.000	-0.8338	0.07341	1.2E 00	9.860E-01	1.153E 00	1.140E 00	3.931E-03	5.244E-03	3.0	1.0
72.000	-0.8302	0.07278	1.2E 00	1.136E 00	1.165E 00	1.150E 00	4.368E-03	5.224E-03	3.0	1.0
73.000	-0.8263	0.07209	1.2E 00	1.223E 00	1.178E 00	1.162E 00	4.614E-03	5.201E-03	3.0	1.0
74.000	-0.8223	0.07138	1.2E 00	1.276E 00	1.190E 00	1.173E 00	4.748E-03	5.177E-03	3.0	1.0
75.000	-0.8182	0.07066	1.2E 00	1.310E 00	1.203E 00	1.185E 00	4.815E-03	5.152E-03	3.0	1.0
76.000	-0.8137	0.06989	1.3E 00	1.491E 00	1.219E 00	1.199E 00	6.004E-03	7.926E-03	3.0	1.0
77.000	-0.8084	0.06903	1.3E 00	1.737E 00	1.238E 00	1.215E 00	6.689E-03	7.882E-03	3.0	1.0
78.000	-0.8028	0.06808	1.3E 00	1.881E 00	1.257E 00	1.233E 00	7.069E-03	7.831E-03	3.0	1.0
79.000	-0.7971	0.06711	1.3E 00	1.969E 00	1.277E 00	1.251E 00	7.267E-03	7.777E-03	3.0	1.0
80.000	-0.7913	0.06613	1.3E 00	2.028E 00	1.296E 00	1.269E 00	7.360E-03	7.721E-03	3.0	1.0
81.000	-0.7850	0.06512	1.3E 00	2.258E 00	1.320E 00	1.290E 00	8.731E-03	1.093E-02	3.0	1.0
82.000	-0.7780	0.06402	1.4E 00	2.569E 00	1.347E 00	1.313E 00	9.509E-03	1.084E-02	3.0	1.0
83.000	-0.7706	0.06285	1.4E 00	2.756E 00	1.375E 00	1.339E 00	9.926E-03	1.075E-02	3.0	1.0
84.000	-0.7628	0.06159	1.4E 00	3.168E 00	1.409E 00	1.367E 00	1.118E-02	1.320E-02	3.0	1.0
85.000	-0.7545	0.06026	1.4E 00	3.410E 00	1.443E 00	1.398E 00	1.186E-02	1.306E-02	3.0	1.0
86.000	-0.7456	0.05889	1.5E 00	3.729E 00	1.481E 00	1.432E 00	1.331E-02	1.563E-02	3.0	1.0

87.000	-0.7362	0.05746	1.5E 00	4.085E 00	1.523E 00	1.469E 00	1.409E-02	1.544E-02	3.0	1.0
88.000	-0.7266	0.05602	1.5E 00	4.315E 00	1.564E 00	1.507E 00	1.447E-02	1.525E-02	3.0	1.0
89.000	-0.7168	0.05456	1.5E 00	4.709E 00	1.611E 00	1.548E 00	1.537E-02	1.692E-02	3.0	1.0
90.000	-0.7069	0.05310	1.5E 00	4.967E 00	1.657E 00	1.591E 00	1.581E-02	1.669E-02	3.0	1.0
91.000	-0.6973	0.05170	1.5E 00	5.014E 00	1.701E 00	1.633E 00	1.502E-02	1.395E-02	3.0	1.0
91.200	-0.6955	0.01018	1.5E 00	4.937E 00	1.725E 00	1.641E 00	1.489E-02	1.375E-02	2.0	1.0
91.400	-0.6937	0.01013	1.5E 00	4.930E 00	1.733E 00	1.649E 00	1.477E-02	1.372E-02	.0	1.0
91.600	-0.6919	0.01008	1.5E 00	4.926E 00	1.741E 00	1.657E 00	1.466E-02	1.368E-0	)	1.0
91.800	-0.6901	0.01003	1.5E 0	4.925E 00	1.749E 00	1.665E 00	1.455E-02	1.364E-02	)	1.0
92.000	-0.6884	0.00998	1.5E 00	4.926E 00	1.757E 00	1.673E 00	1.445E-02	1.361E-02	.0	1.0
92.200	-0.6867	0.00994	1.5E 00	4.928E 00	1.765E 00	1.681E 00	1.436E-02	1.357E-02	2.0	1.0
92.400	-0.6850	0.00989	1.5E 00	4.933E 00	1.773E 00	1.689E 00	1.427E-02	1.354E-02	2.0	1.0
92.600	-0.6833	0.00984	1.5E 00	4.939E 00	1.781E 00	1.697E 00	1.419E-02	1.350E-02	2.0	1.0
92.800	-0.6817	0.00980	1.5E 00	4.554E 00	1.780E 00	1.704E 00	1.264E-02	-4.005E-03	2.0	1.0
93.000	-0.6803	0.00976	1.5E 00	4.106E 00	1.778E 00	1.710E 00	1.125E-02	-4.004E-03	2.0	1.0
93.200	-0.6791	0.00973	1.5E 00	3.703E 00	1.777E 00	1.716E 00	1.001E-02	-4.002E-03	2.0	1.0
93.400	-0.6780	0.00970	1.4E 00	3.340E 00	1.776E 00	1.720E 00	8.887E-03	-4.001E-03	2.0	1.0
93.600	-0.6770	0.00968	1.4E 00	3.010E 00	1.774E 00	1.724E 00	7.876E-03	-4.000E-03	2.0	1.0
93.800	-0.6763	0.00966	1.4E 00	3.009E 00	1.762E 00	1.727E 00	4.812E-03	-3.011E-02	1.0	1.0
94.000	-0.6759	0.00964	1.3E 00	2.326E 00	1.749E 00	1.729E 00	2.118E-03	-3.010E-02	1.0	1.0
94.200	-0.6758	0.00964	1.3E 00	1.870E 00	1.737E 00	1.730E 00	-2.874E-04	-3.009E-02	1.0	1.0
94.400	-0.6761	0.00964	1.4E 00	3.459E 00	1.713E 00	1.728E 00	-5.139E-03	-5.913E-02	1.0	1.0
94.600	-0.6771	0.00965	1.6E 00	5.180E 00	1.685E 00	1.725E 00	-1.247E-02	-9.072E-02	2.0	1.0
94.800	-0.6793	0.00968	1.8E 00	8.432E 00	1.656E 00	1.718E 00	-2.612E-02	-1.537E-01	3.0	1.0
95.000	-0.6837	0.00973	2.0E 00	1.233E 01	1.630E 00	1.708E 00	-4.910E-02	-2.392E-01	3.0	1.0
95.200	-0.6907	0.00979	1.9E 00	1.159E 01	1.603E 00	1.697E 00	-6.927E-02	-2.384E-01	3.0	1.0
95.400	-0.7012	0.00986	2.2E 00	1.819E 01	1.585E 00	1.683E 00	-1.093E-01	-3.935E-01	3.0	1.0
95.600	-0.7163	0.00994	2.1E 00	1.617E 01	1.564E 00	1.669E 00	-1.428E-01	-3.894E-01	3.0	1.0
95.800	-0.7367	0.01003	2.4E 00	2.220E 01	1.565E 00	1.655E 00	-1.975E-01	-5.511E-01	3.0	1.0
96.000	-0.7634	0.01010	2.3E 00	1.879E 01	1.567E 00	1.644E 00	-2.414E-01	-5.416E-01	3.0	1.0
96.200	-0.7949	0.01017	2.1E 00	1.579E 01	1.568E 00	1.635E 00	-2.764E-01	-5.293E-01	3.0	1.0
96.400	-0.8332	0.01047	2.8E 00	3.315E 01	1.097E 00	1.548E 00	-3.321E-01	-6.211E-01	3.0	1.0

-0.	-0.93750	1.00000	-0.

XNN1	YMN1	OTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	-0.9375	0.08342	1.1E 00	2.092E-01	9.963E-01	9.980E-01	-0.	1.846E-04	1.0	1.0
2.000	-0.9375	0.08353	1.0E 00	7.603E-02	9.967E-01	9.973E-01	-0.	1.846E-04	1.0	1.0
3.000	-0.9375	0.08356	1.0E 00	1.759E-02	9.971E-01	9.972E-01	-0.	1.846E-04	1.0	1.0
4.000	-0.9375	0.08356	1.0E 00	1.846E-02	9.975E-01	9.973E-01	-0.	1.846E-04	1.0	1.0
5.000	-0.9375	0.08354	1.0E 00	3.156E-02	9.979E-01	9.976E-01	-0.	1.846E-04	1.0	1.0
6.000	-0.9375	0.08352	1.0E 00	3.908E-02	9.983E-01	9.980E-01	-0.	1.946E-04	1.0	1.0
7.000	-0.9375	0.08349	1.0E 00	4.326E-02	9.987E-01	9.983E-01	-0.	1.946E-04	1.0	1.0
8.000	-0.9375	0.08346	1.0E 00	4.529E-02	9.991E-01	9.987E-01	-0.	1.946E-04	1.0	1.0
9.000	-0.9375	0.08342	1.0E 00	4.628E-02	9.995E-01	9.991E-01	-0.	1.946E-04	1.0	1.0
10.000	-0.9375	0.08339	1.0E 00	4.676E-02	9.999E-01	9.995E-01	-0.	1.946E-04	1.0	1.0
11.000	-0.9375	0.08335	1.0E 00	4.848E-02	1.000E 00	1.000E-00	-0.	2.151E-04	1.0	1.0
12.000	-0.9375	0.08331	1.0E 00	5.037E-02	1.001E 00	1.000E 00	-0.	2.151E-04	1.0	1.0
13.000	-0.9375	0.08328	1.0E 00	5.129E-02	1.001E 00	1.001E 00	-0.	2.151E-04	1.0	1.0
14.000	-0.9375	0.08324	1.0E 00	5.174E-02	1.002E 00	1.001E 00	-0.	2.151E-04	1.0	1.0
15.000	-0.9375	0.08320	1.0E 00	5.197E-02	1.002E 00	1.002E 00	-0.	2.151E-04	1.0	1.0
16.000	-0.9375	0.08317	1.0E 00	5.443E-02	1.003E 00	1.002E 00	-0.	2.473E-04	1.0	1.0
17.000	-0.9375	0.08313	1.0E 00	5.728E-02	1.003E 00	1.003E 00	-0.	2.473E-04	1.0	1.0
18.000	-0.9375	0.08308	1.0E 00	5.867E-02	1.004E 00	1.003E 00	-0.	2.473E-04	1.0	1.0
19.000	-0.9375	0.08304	1.0E 00	5.935E-02	1.004E 00	1.004E 00	-0.	2.473E-04	1.0	1.0
20.000	-0.9375	0.08300	1.0E 00	5.969E-02	1.005E 00	1.004E 00	-0.	2.473E-04	1.0	1.0
21.000	-0.9375	0.08295	1.0E 00	6.326E-02	1.005E 00	1.005E 00	4.246E-06	2.942E-04	1.0	1.0
22.000	-0.9375	0.08291	1.0E 00	6.733E-02	1.006E 00	1.005E 00	6.520E-06	2.942E-04	1.0	1.0
23.000	-0.9375	0.08286	1.0E 00	6.931E-02	1.007E 00	1.006E 00	7.724E-06	2.942E-04	1.0	1.0
24.000	-0.9375	0.08281	1.0E 00	7.027E-02	1.007E 00	1.007E 00	8.356E-06	2.942E-04	1.0	1.0
25.000	-0.9375	0.08275	1.0E 00	7.075E-02	1.008E 00	1.007E 00	8.686E-06	2.942E-04	1.0	1.0
26.000	-0.9374	0.08270	1.0E 00	7.575E-02	1.009E 00	1.008E 00	4.267E-05	3.599E-04	1.0	1.0
27.000	-0.9374	0.08264	1.0E 00	8.110E-02	1.009E 00	1.009E 00	5.952E-05	3.599E-04	1.0	1.0
28.000	-0.9373	0.08259	1.0E 00	8.372E-02	1.010E 00	1.009E 00	6.785E-05	3.599E-04	1.0	1.0
29.000	-0.9373	0.08252	1.0E 00	8.500E-02	1.011E 00	1.010E 00	7.196E-05	3.598E-04	1.0	1.0
30.000	-0.9372	0.08246	1.0E 00	8.565E-02	1.012E 00	1.011E 00	7.398E-05	3.598E-04	1.0	1.0
31.000	-0.9371	0.08240	1.0E 00	9.241E-02	1.013E 00	1.012E 00	1.217E-04	4.506E-04	1.0	1.0
32.000	-0.9370	0.08233	1.0E 00	9.994E-02	1.014E 00	1.013E 00	1.454E-04	4.506E-04	1.0	1.0

			1.013E 00		1.013E 00		1.454E-04	4.506E-04	1.0	1.0
33.000	-0.9368	0.08225	1.0E 00	1.036E-01	1.014E 00	1.014E 00	1.570E-04	4.505E-04	1.0	1.0
34.000	-0.9367	0.08218	1.0E 00	1.054E-01	1.015E 00	1.015E 00	1.627E-04	4.504E-04	1.0	1.0
35.000	-0.9365	0.08210	1.0E 00	1.063E-01	1.016E 00	1.015E 00	1.655E-04	4.504E-04	1.0	1.0
36.000	-0.9363	0.08202	1.1E 00	1.155E-01	1.017E 00	1.017E 00	2.315E-04	5.758E-04	1.0	1.0
37.000	-0.9361	0.08193	1.1E 00	1.261E-01	1.019E 00	1.018E 00	2.641E-04	5.757E-04	1.0	1.0
38.000	-0.9358	0.08184	1.1E 00	1.312E-01	1.020E 00	1.019E 00	2.800E-04	5.755E-04	1.0	1.0
39.000	-0.9355	0.08175	1.1E 00	1.337E-01	1.021E 00	1.020E 00	2.878E-04	5.754E-04	1.0	1.0
40.000	-0.9352	0.08165	1.1E 00	1.350E-01	1.022E 00	1.021E 00	2.915E-04	5.752E-04	1.0	1.0
41.000	-0.9349	0.08155	1.1E 00	1.475E-01	1.024E 00	1.023E 00	3.834E-04	7.496E-04	1.0	1.0
42.000	-0.9345	0.08144	1.1E 00	1.625E-01	1.025E 00	1.024E 00	4.285E-04	7.494E-04	1.0	1.0
43.000	-0.9341	0.08132	1.1E 00	1.696E-01	1.027E 00	1.026E 00	4.505E-04	7.490E-04	1.0	1.0
44.000	-0.9336	0.08119	1.1E 00	1.731E-01	1.029E 00	1.027E 00	4.611E-04	7.487E-04	1.0	1.0
45.000	-0.9332	0.08107	1.1E 00	1.749E-01	1.030E 00	1.029E 00	4.661E-04	7.483E-04	1.0	1.0
46.000	-0.9327	0.08094	1.1E 00	1.924E-01	1.032E 00	1.030E 00	5.957E-04	9.941E-04	1.0	1.0
47.000	-0.9320	0.08079	1.1E 00	2.136E-01	1.034E 00	1.032E 00	6.590E-04	9.935E-04	1.0	1.0
48.000	-0.9314	0.08064	1.1E 00	2.238E-01	1.036E 00	1.034E 00	6.896E-04	9.929E-04	1.0	1.0
49.000	-0.9307	0.08050	1.1E 00	1.700E-01	1.038E 00	1.036E 00	6.985E-04	9.922E-04	2.0	1.0
50.000	-0.9300	0.08037	1.1E 00	1.948E-01	1.041E 00	1.038E 00	7.043E-04	9.915E-04	2.0	1.0
51.000	-0.9293	0.08022	1.1E 00	2.271E-01	1.043E 00	1.040E 00	8.425E-04	1.344E-03	2.0	1.0
52.000	-0.9285	0.08005	1.1E 00	2.607E-01	1.046E 00	1.042E 00	9.286E-04	1.343E-03	2.0	1.0
53.000	-0.9275	0.07986	1.1E 00	2.816E-01	1.049E 00	1.045E 00	9.818E-04	1.341E-03	2.0	1.0
54.000	-0.9266	0.07966	1.1E 00	2.946E-01	1.052E 00	1.047E 00	1.014E-03	1.340E-03	2.0	1.0
55.000	-0.9256	0.07946	1.1E 00	3.027E-01	1.055E 00	1.050E 00	1.034E-03	1.339E-03	2.0	1.0
56.000	-0.9245	0.07924	1.1E 00	3.325E-01	1.058E 00	1.053E 00	1.244E-03	1.855E-03	2.0	1.0
57.000	-0.9233	0.07899	1.1E 00	3.715E-01	1.062E 00	1.057E 00	1.373E-03	1.853E-03	2.0	1.0
58.000	-0.9219	0.07873	1.1E 00	3.957E-01	1.066E 00	1.060E 00	1.453E-03	1.850E-03	2.0	1.0
59.000	-0.9206	0.07846	1.1E 00	4.110E-01	1.070E 00	1.064E 00	1.501E-03	1.847E-03	2.0	1.0
60.000	-0.9191	0.07818	1.1E 00	4.207E-01	1.074E 00	1.068C 00	1.530E-03	1.845E-03	2.0	1.0
61.000	-0.9176	0.07788	1.1E 00	4.636E-01	1.079E 00	1.072E 00	1.844E-03	2.619E-03	2.0	1.0
62.000	-0.9158	0.07755	1.1E 00	5.214E-01	1.085E 00	1.077E 00	2.038E-03	2.614E-03	2.0	1.0
63.000	-0.9138	0.07719	1.1E 00	5.575E-01	1.090E 00	1.082E 00	2.156E-03	2.609E-03	2.0	1.0
64.000	-0.9118	0.07682	1.1E 00	5.802E-01	1.096E 00	1.087E 00	2.227E-03	2.603E-03	2.0	1.0
65.000	-0.9097	0.07644	1.1E 00	5.951E-01	1.102E 00	1.093E 00	2.268E-03	2.598E-03	2.0	1.0
66.000	-0.9074	0.07602	1.2E 00	7.146E-01	1.109E 00	1.100E 00	2.794E-03	3.784E-03	3.0	1.0
67.000	-0.9047	0.07554	1.2E 00	7.890E-01	1.117E 00	1.107E 00	3.098E-03	3.778E-03	3.0	1.0
68.000	-0.9019	0.07503	1.2E 00	8.329E-01	1.125E 00	1.115E 00	3.272E-03	3.767E-03	3.0	1.0
69.000	-0.8989	0.07450	1.2E 00	8.597E-01	1.134E 00	1.123E 00	3.368E-03	3.755E-03	3.0	1.0
70.000	-0.8959	0.07397	1.2E 00	8.771E-01	1.142E 00	1.131E 00	3.419E-03	3.743E-03	3.0	1.0
71.000	-0.8925	0.07341	1.2E 00	9.865E-01	1.153E 00	1.140E 00	4.225E-03	5.613E-03	3.0	1.0
72.000	-0.8886	0.07278	1.2E 00	1.136E 00	1.165E 00	1.150E 00	4.693E-03	5.592E-03	3.0	1.0
73.000	-0.8845	0.07209	1.2E 00	1.223E 00	1.178E 00	1.162E 00	4.956E-03	5.567E-03	3.0	1.0
74.000	-0.8802	0.07138	1.2E 00	1.276E 00	1.190E 00	1.173E 00	5.099E-03	5.541E-03	3.0	1.0
75.000	-0.8758	0.07065	1.2E 00	1.310E 00	1.203E 00	1.185E 00	5.171E-03	5.514E-03	3.0	1.0
76.000	-0.8709	0.06989	1.3E 00	1.492E 00	1.219E 00	1.199E 00	6.443E-03	8.483E-03	3.0	1.0
77.000	-0.8653	0.06903	1.3E 00	1.737E 00	1.238E 00	1.215E 00	7.176E-03	8.436E-03	3.0	1.0
78.000	-0.8593	0.06808	1.3E 00	1.881E 00	1.257E 00	1.233E 00	7.582E-03	8.381E-03	3.0	1.0
79.000	-0.8531	0.06711	1.3E 00	1.969E 00	1.277E 00	1.251E 00	7.794E-03	8.323E-03	3.0	1.0
80.000	-0.8469	0.06613	1.3E 00	2.028E 00	1.296E 00	1.269E 00	7.893E-03	8.263E-03	3.0	1.0
81.000	-0.8401	0.06512	1.3E 00	2.259E 00	1.320E 00	1.290E 00	9.360E-03	1.170E-02	3.0	1.0
82.000	-0.8326	0.06402	1.4E 00	2.569E 00	1.347E 00	1.313E 00	1.019E-02	1.160E-02	3.0	1.0
83.000	-0.8247	0.06285	1.4E 00	2.756E 00	1.375E 00	1.339E 00	1.064E-02	1.150E-02	3.0	1.0
84.000	-0.8164	0.06159	1.4E 00	3.168E 00	1.409E 00	1.367E 00	1.198E-02	1.412E-02	3.0	1.0
85.000	-0.8075	0.06026	1.4E 00	3.410E 00	1.443E 00	1.398E 00	1.271E-02	1.398E-02	3.0	1.0
86.000	-0.7979	0.05889	1.5E 00	3.729E 00	1.481E 00	1.432E 00	1.426E-02	1.673E-02	3.0	1.0
87.000	-0.7878	0.05746	1.5E 00	4.085E 00	1.523E 00	1.469E 00	1.509E-02	1.653E-02	3.0	1.0
88.000	-0.7775	0.05602	1.5E 00	4.315E 00	1.564E 00	1.507E 00	1.550E-02	1.632E-02	3.0	1.0
89.000	-0.7671	0.05456	1.5E 00	4.709E 00	1.611E 00	1.548E 00	1.646E-02	1.811E-02	3.0	1.0
90.000	-0.7564	0.05310	1.5E 00	4.967E 00	1.657E 00	1.591E 00	1.694E-02	1.787E-02	3.0	1.0
91.000	-0.7462	0.05170	1.5E 00	5.014E 00	1.701E 00	1.633E 00	1.610E-02	1.495E-02	3.0	1.0
91.200	-0.7442	0.01018	1.5E 00	4.937E 00	1.725E 00	1.641E 00	1.596E-02	1.474E-02	2.0	1.0
91.400	-0.7423	0.01013	1.5E 00	4.930E 00	1.733E 00	1.649E 00	1.583E-02	1.471E-02	2.0	1.0
91.600	-0.7404	0.01008	1.5E 00	4.926E 00	1.741E 00	1.657E 00	1.571E-02	1.467E-02	2.0	1.0
91.800	-0.7385	0.01003	1.5E 00	4.925E 00	1.749E 00	1.665E 00	1.560E-02	1.463E-02	2.0	1.0
92.000	-0.7366	0.00998	1.5E 00	4.926E 00	1.757E 00	1.673E 00	1.550E-02	1.459E-02	2.0	1.0
92.200	-0.7348	0.00994	1.5E 00	4.928E 00	1.765E 00	1.681E 00	1.540E-02	1.455E-02	2.0	1.0
92.400	-0.7330	0.00989	1.5E 00	4.933E 00	1.773E 00	1.689E 00	1.531E-02	1.451E-02	2.0	1.0

92.600	-0.7312	0.00984	1.5E 00	4.939E 00	1.781E 00	1.697E 00	1.522E-02	1.448E-02	2.0	1.0	
92.800	-0.7295	0.00980	1.5E 00	4.567E 00	1.780E 00	1.704E 00	1.357E-02	-4.057E-03	2.0	1.0	
93.000	-0.7280	0.00976	1.5E 00	4.118E 00	1.778E 00	1.710E 00	1.210E-02	-4.055E-03	2.0	1.0	
93.200	-0.7266	0.00973	1.5E 00	3.714E 00	1.777E 00	1.716E 00	1.079E-02	-4.054E-03	2.0	1.0	
93.400	-0.7254	0.00970	1.4E 00	3.349E 00	1.776E 00	1.720E 00	9.601E-03	-4.052E-03	2.0	1.0	
93.600	-0.7244	0.00968	1.4E 00	3.020E 00	1.774E 00	1.724E 00	8.531E-03	-4.051E-03	2.0	1.0	
93.800	-0.7236	0.00966	1.4E 00	3.075E 00	1.762E 00	1.727E 00	5.325E-03	-3.108E-02	1.0	1.0	
94.000	-0.7231	0.00964	1.3E 00	2.396E 00	1.749E 00	1.729E 00	2.504E-03	-3.106E-02	1.0	1.0	
94.200	-0.7230	0.00964	1.3E 00	1.944E 00	1.737E 00	1.730E 00	-1.598E-05	-3.106E-02	1.0	1.0	
94.400	-0.7233	0.00964	1.4E 00	3.526E 00	1.713E 00	1.728E 00	-4.986E-03	-6.008E-02	1.0	1.0	
94.600	-0.7243	0.00965	1.6E 00	5.201E 00	1.685E 00	1.725E 00	-1.236E-02	-9.098E-02	2.0	1.0	
94.800	-0.7265	0.00968	1.8E 00	8.307E 00	1.656E 00	1.718E 00	-2.570E-02	-1.510E-01	3.0	1.0	
95.000	-0.7308	0.00973	1.9E 00	1.196E 01	1.630E 00	1.709E 00	-4.766E-02	-2.311E-01	3.0	1.0	
95.200	-0.7375	0.00979	1.9E 00	1.129E 01	1.603E 00	1.697E 00	-6.698E-02	-2.304E-01	3.0	1.0	
95.400	-0.7476	0.00986	2.2E 00	1.741E 01	1.585E 00	1.684E 00	-1.045E-01	-3.753E-01	3.0	1.0	
95.600	-0.7620	0.00994	2.1E 00	1.555E 01	1.564E 00	1.670E 00	-1.360E-01	-3.713E-01	3.0	1.0	
95.800	-0.7815	0.01002	2.4E 00	2.149E 01	1.565E 00	1.656E 00	-1.882E-01	-5.299E-01	3.0	1.0	
96.000	-0.8068	0.01010	2.2E 00	1.822E 01	1.567E 00	1.645E 00	-2.302E-01	-5.209E-01	3.0	1.0	
96.200	-0.8370	0.01016	2.1E 00	1.535E 01	1.568E 00	1.635E 00	-2.637E-01	-5.091E-01	3.0	1.0	
96.400	-0.8737	0.01047	2.8E 00	3.353E 01	1.097E 00	1.548E 00	-3.217E-01	-6.211E-01	3.0	1.0	

-0.	-0.96875	1.00000	-0.

XNN1	YMN1	DTH	CK	KEN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT	
1.000	-0.9687	0.08342	1.1E 00	2.092E-01	9.963E-01	9.980E-01	-0.	1.907E-04	1.0	1.0	
2.000	-0.9687	0.08353	1.0E 00	7.608E-02	9.967E-01	9.973E-01	-0.	1.907E-04	1.0	1.0	
3.000	-0.9687	0.08356	1.0E 00	1.780E-02	9.971E-01	9.972E-01	-0.	1.907E-04	1.0	1.0	
4.000	-0.9687	0.08356	1.0E 00	1.866E-02	9.975E-01	9.973E-01	-0.	1.907E-04	1.0	1.0	
5.000	-0.9687	0.08354	1.0E 00	3.168E-02	9.979E-01	9.976E-01	-0.	1.907E-04	1.0	1.0	
6.000	-0.9687	0.08352	1.0E 00	3.918E-02	9.983E-01	9.980E-01	-0.	2.011E-04	1.0	1.0	
7.000	-0.9687	0.08349	1.0E 00	4.335E-02	9.987E-01	9.983E-01	-0.	2.011E-04	1.0	1.0	
8.000	-0.9687	0.08346	1.0E 00	4.538E-02	9.991E-01	9.987E-01	-0.	2.011E-04	1.0	1.0	
9.000	-0.9687	0.08342	1.0E 00	4.636E-02	9.995E-01	9.991E-01	-0.	2.011E-04	1.0	1.0	
10.000	-0.9687	0.08339	1.0E 00	4.685E-02	9.999E-01	9.995E-01	-0.	2.011E-04	1.0	1.0	
11.000	-0.9687	0.08335	1.0E 00	4.858E-02	1.000E 00	1.000E-00	-0.	2.222E-04	1.0	1.0	
12.000	-0.9687	0.08332	1.0E 00	5.047E-02	1.001E 00	1.000E 00	-0.	2.222E-04	1.0	1.0	
13.000	-0.9687	0.08328	1.0E 00	5.138E-02	1.001E 00	1.001E 00	-0.	2.222E-04	1.0	1.0	
14.000	-0.9687	0.08324	1.0E 00	5.184E-02	1.002F 00	1.001E 00	-0.	2.222E-04	1.0	1.0	
15.000	-0.9687	0.08320	1.0E 00	5.206E-02	1.002E 00	1.002E 00	-0.	2.222E-04	1.0	1.0	
16.000	-0.9687	0.08317	1.0E 00	5.454E-02	1.003E 00	1.002E 00	-0.	2.556E-04	1.0	1.0	
17.000	-0.9687	0.08313	1.0E 00	5.739E-02	1.003E 00	1.003E 00	-0.	2.556E-04	1.0	1.0	
18.000	-0.9687	0.08308	1.0E 00	5.878E-02	1.004E 00	1.003E 00	-0.	2.556E-04	1.0	1.0	
19.000	-0.9687	0.08304	1.0E 00	5.945E-02	1.004E 00	1.004E 00	-0.	2.556E-04	1.0	1.0	
20.000	-0.9687	0.08300	1.0E 00	5.979E-02	1.005E 00	1.004E 00	-0.	2.556E-04	1.0	1.0	
21.000	-0.9687	0.08295	1.0E 00	6.340E-02	1.005E 00	1.005E 00	9.262E-06	3.040E-04	1.0	1.0	
22.000	-0.9687	0.08291	1.0E 00	6.740E-02	1.006E 00	1.005E 00	1.399E-05	3.040E-04	1.0	1.0	
23.000	-0.9687	0.08286	1.0E 00	6.934E-02	1.007E 00	1.006E 00	1.639E-05	3.040E-04	1.0	1.0	
24.000	-0.9687	0.08281	1.0E 00	7.028E-02	1.007E 00	1.007E 00	1.760E-05	3.040E-04	1.0	1.0	
25.000	-0.9687	0.08275	1.0E 00	7.076E-02	1.008E 00	1.007E 00	1.821E-05	3.040E-04	1.0	1.0	
26.000	-0.9686	0.08270	1.0E 00	7.579E-02	1.009E 00	1.008E 00	5.345E-05	3.719E-04	1.0	1.0	
27.000	-0.9686	0.08264	1.0E 00	8.111E-02	1.009E 00	1.009E 00	7.092E-05	3.719E-04	1.0	1.0	
28.000	-0.9685	0.08259	1.0E 00	8.372E-02	1.010E 00	1.009E 00	7.954E-05	3.718E-04	1.0	1.0	
29.000	-0.9684	0.08252	1.0E 00	8.501E-02	1.011E 00	1.010E 00	8.379E-05	3.718E-04	1.0	1.0	
30.000	-0.9683	0.08246	1.0E 00	8.565E-02	1.012E 00	1.011E 00	8.588E-05	3.718E-04	1.0	1.0	
31.000	-0.9682	0.08240	1.0E 00	9.245E-02	1.013E 00	1.012E 00	1.352E-04	4.656E-04	1.0	1.0	
32.000	-0.9681	0.08233	1.0E 00	9.996E-02	1.014F 00	1.013E 00	1.596E-04	4.655E-04	1.0	1.0	
33.000	-0.9679	0.08225	1.0E 00	1.036E-01	1.014F 00	1.014E 00	1.716E-04	4.655E-04	1.0	1.0	
34.000	-0.9678	0.08218	1.0E 00	1.054E-01	1.015E 00	1.015E 00	1.775E-04	4.654E-04	1.0	1.0	
35.000	-0.9676	0.08210	1.0E 00	1.063E-01	1.016E 00	1.015E 00	1.803E-04	4.653E-04	1.0	1.0	
36.000	-0.9674	0.08202	1.1E 00	1.155E-01	1.017E 00	1.017E 00	2.486E-04	5.949E-04	1.0	1.0	
37.000	-0.9671	0.08193	1.1E 00	1.261E-01	1.019E 00	1.018E 00	2.822E-04	5.948E-04	1.0	1.0	
38.000	-0.9668	0.08184	1.1E 00	1.312E-01	1.020E 00	1.019E 00	2.986E-04	5.946E-04	1.0	1.0	
39.000	-0.9665	0.08175	1.1E 00	1.337E-01	1.021E 00	1.020E 00	3.066E-04	5.945E-04	1.0	1.0	
40.000	-0.9662	0.08165	1.1E 00	1.350E-01	1.022E 00	1.021E 00	3.105E-04	5.943E-04	1.0	1.0	
41.000	-0.9659	0.08155	1.1E 00	1.476E-01	1.024E 00	1.023E 00	4.054E-04	7.745E-04	1.0	1.0	
42.000	-0.9655	0.08144	1.1E 00	1.625E-01	1.025E 00	1.024E 00	4.520E-04	7.742E-04	1.0	1.0	
43.000	-0.9650	0.08132	1.1E 00	1.697E-01	1.027E 00	1.026E 00	4.747E-04	7.739E-04	1.0	1.0	
44.000	-0.9645	0.08119	1.1E 00	1.731E-01	1.029E 00	1.027E 00	4.856E-04	7.735E-04	1.0	1.0	

42.000	-0.9655	0.08144	1.1E 00	1.625E-01	1.025E 00	1.024E 00	4.520E-04	7.742E-04	1.0	1.0
43.000	-0.9650	0.08132	1.1E 00	1.697E-01	1.027E 00	1.026E 00	4.747E-04	7.739E-04	1.0	1.0
44.000	-0.9645	0.08119	1.1E 00	1.731E-01	1.029E 00	1.027E 00	4.856E-04	7.735E-04	1.0	1.0
45.000	-0.9641	0.08107	1.1E 00	1.749E-01	1.030E 00	1.029E 00	4.907E-04	7.731E-04	1.0	1.0
46.000	-0.9635	0.08094	1.1E 00	1.924E-01	1.032E 00	1.030E 00	6.246E-04	1.027E-03	1.0	1.0
47.000	-0.9629	0.08079	1.1E 00	2.136E-01	1.034E 00	1.032E 00	6.900E-04	1.026E-03	1.0	1.0
48.000	-0.9622	0.08064	1.1E 00	2.238E-01	1.036E 00	1.034E 00	7.215E-04	1.026E-03	1.0	1.0
49.000	-0.9615	0.08050	1.1E 00	1.700E-01	1.038E 00	1.036E 00	7.308E-04	1.025E-03	2.0	1.0
50.000	-0.9608	0.08037	1.1E 00	1.948E-01	1.041E 00	1.038E 00	7.368E-04	1.024E-03	2.0	1.0
51.000	-0.9600	0.08022	1.1E 00	2.272E-01	1.043E 00	1.040E 00	8.795E-04	1.388E-03	2.0	1.0
52.000	-0.9591	0.08005	1.1E 00	2.608E-01	1.046E 00	1.042E 00	9.664E-04	1.387E-03	2.0	1.0
53.000	-0.9582	0.07986	1.1E 00	2.816E-01	1.049E 00	1.045E 00	1.023E-03	1.386E-03	2.0	1.0
54.000	-0.9572	0.07966	1.1E 00	2.946E-01	1.052E 00	1.047E 00	1.057E-03	1.384E-03	2.0	1.0
55.000	-0.9562	0.07946	1.1E 00	3.027E-01	1.055C 00	1.050E 00	1.077E-03	1.383E-03	2.0	1.0
56.000	-0.9550	0.07924	1.1E 00	3.325E-01	1.058E 00	1.053E 00	1.294E-03	1.916E-03	2.0	1.0
57.000	-0.9537	0.07899	1.1E 00	3.715E-01	1.062E 00	1.057E 00	1.428E-03	1.914E-03	2.0	1.0
58.000	-0.9524	0.07873	1.1E 00	3.957E-01	1.066E 00	1.060E 00	1.510E-03	1.911E-03	2.0	1.0
59.000	-0.9509	0.07846	1.1E 00	4.110E-01	1.070E 00	1.064E 00	1.560E-03	1.908E-03	2.0	1.0
60.000	-0.9494	0.07818	1.1E 00	4.207E-01	1.074E 00	1.068E 00	1.590E-03	1.905E-03	2.0	1.0
61.000	-0.9478	0.07788	1.1E 00	4.637E-01	1.079E 00	1.072E 00	1.914E-03	2.705E-03	2.0	1.0
62.000	-0.9459	0.07755	1.1E 00	5.215E-01	1.085E 00	1.077E 00	2.114E-03	2.700E-03	2.0	1.0
63.000	-0.9439	0.07719	1.1E 00	5.575E-01	1.090E 00	1.082E 00	2.235E-03	2.695E-03	2.0	1.0
64.000	-0.9418	0.07682	1.1E 00	5.803E-01	1.096E 00	1.087E 00	2.309E-03	2.689E-03	2.0	1.0
65.000	-0.9397	0.07644	1.1E 00	5.951E-01	1.102E 00	1.093E 00	2.352E-03	2.683E-03	2.0	1.0
66.000	-0.9373	0.07602	1.2E 00	7.148E-01	1.109E 00	1.100E 00	2.894E-03	3.912E-03	3.0	1.0
67.000	-0.9345	0.07554	1.2E 00	7.891E-01	1.117E 00	1.107E 00	3.209E-03	3.902E-03	3.0	1.0
68.000	-0.9315	0.07503	1.2E 00	8.329E-01	1.125E 00	1.115E 00	3.388E-03	3.891E-03	3.0	1.0
69.000	-0.9285	0.07450	1.2E 00	8.597E-01	1.134E 00	1.123E 00	3.487E-03	3.879E-03	3.0	1.0
70.000	-0.9254	0.07397	1.2E 00	8.771E-01	1.142E 00	1.131E 00	3.540E-03	3.866E-03	3.0	1.0
71.000	-0.9219	0.07341	1.2E 00	9.868E-01	1.153E 00	1.140E 00	4.372E-03	5.797E-03	3.0	1.0
72.000	-0.9178	0.07278	1.2E 00	1.136E 00	1.165E 00	1.150E 00	4.855E-03	5.775E-03	3.0	1.0
73.000	-0.9135	0.07209	1.2E 00	1.223E 00	1.178E 00	1.162E 00	5.127E-03	5.750E-03	3.0	1.0
74.000	-0.9091	0.07138	1.2E 00	1.276E 00	1.190E 00	1.173E 00	5.274E-03	5.723E-03	3.0	1.0
75.000	-0.9046	0.07065	1.2E 00	1.310E 00	1.203E 00	1.185E 00	5.349E-03	5.695E-03	3.0	1.0
76.000	-0.8995	0.06989	1.3E 00	1.492E 00	1.219E 00	1.199E 00	6.663E-03	8.762E-03	3.0	1.0
77.000	-0.8937	0.06903	1.3E 00	1.737E 00	1.238E 00	1.215E 00	7.420E-03	8.713E-03	3.0	1.0
78.000	-0.8875	0.06808	1.3E 00	1.881E 00	1.257E 00	1.233E 00	7.838E-03	8.656E-03	3.0	1.0
79.000	-0.8811	0.06711	1.3E 00	1.969E 00	1.277E 00	1.251E 00	8.057E-03	8.596E-03	3.0	1.0
80.000	-0.8746	0.06613	1.3E 00	2.028E 00	1.296E 00	1.269E 00	8.160E-03	8.534E-03	3.0	1.0
81.000	-0.8677	0.06512	1.3E 00	2.259E 00	1.320E 00	1.290E 00	9.674E-03	1.208E-02	3.0	1.0
82.000	-0.8599	0.06402	1.4E 00	2.569E 00	1.347E 00	1.313E 00	1.053E-02	1.198E-02	3.0	1.0
83.000	-0.8518	0.06285	1.4E 00	2.756E 00	1.375E 00	1.339E 00	1.094E-02	1.188E-02	3.0	1.0
84.000	-0.8431	0.06159	1.4E 00	3.168E 00	1.409E 00	1.367E 00	1.238E-02	1.459E-02	3.0	1.0
85.000	-0.8339	0.06026	1.4E 00	3.410E 00	1.443E 00	1.398E 00	1.314E-02	1.444E-02	3.0	1.0
86.000	-0.8241	0.05889	1.5E 00	3.729E 00	1.481E 00	1.432E 00	1.473E-02	1.728E-02	3.0	1.0
87.000	-0.8136	0.05746	1.5E 00	4.085E 00	1.523E 00	1.469E 00	1.560E-02	1.707E-02	3.0	1.0
88.000	-0.8030	0.05602	1.5E 00	4.315E 00	1.564E 00	1.507E 00	1.602E-02	1.685E-02	3.0	1.0
89.000	-0.7922	0.05456	1.5E 00	4.710E 00	1.611E 00	1.548E 00	1.701E-02	1.871E-02	3.0	1.0
90.000	-0.7812	0.05310	1.5E 00	4.967E 00	1.657E 00	1.591E 00	1.750E-02	1.845E-02	3.0	1.0
91.000	-0.7706	0.05170	1.5E 00	5.014E 00	1.701E 00	1.633E 00	1.664E-02	1.546E-02	3.0	1.0
91.200	-0.7686	0.01018	1.5E 00	4.937E 00	1.725E 00	1.641E 00	1.650E-02	1.524E-02	2.0	1.0
91.400	-0.7666	0.01013	1.5E 00	4.930E 00	1.733E 00	1.649E 00	1.637E-02	1.520E-02	2.0	1.0
91.600	-0.7646	0.01008	1.5E 00	4.926E 00	1.741C 00	1.657E 00	1.624E-02	1.516E-02	2.0	1.0
91.800	-0.7626	0.01003	1.5E 00	4.925E 00	1.749E 00	1.665E 00	1.613E-02	1.512E-02	2.0	1.0
92.000	-0.7607	0.00998	1.5E 00	4.926E 00	1.757E 00	1.673E 00	1.602E-02	1.508E-02	2.0	1.0
92.200	-0.7588	0.00994	1.5E 00	4.928E 00	1.765E 00	1.681E 00	1.592E-02	1.504E-02	2.0	1.0
92.400	-0.7569	0.00989	1.5E 00	4.933E 00	1.773E 00	1.689E 00	1.582E-02	1.500E-02	2.0	1.0
92.600	-0.7551	0.00984	1.5E 00	4.939E 00	1.781E 00	1.697E 00	1.573E-02	1.496E-02	2.0	1.0
92.800	-0.7533	0.00980	1.5E 00	4.574E 00	1.780E 00	1.704E 00	1.404E-02	-4.083E-03	2.0	1.0
93.000	-0.7518	0.00976	1.5E 00	4.124E 00	1.778E 00	1.710E 00	1.253E-02	-4.081E-03	2.0	1.0
93.200	-0.7504	0.00973	1.5E 00	3.719E 00	1.777E 00	1.716E 00	1.118E-02	-4.080E-03	2.0	1.0
93.400	-0.7491	0.00970	1.4E 00	3.355E 00	1.776E 00	1.720E 00	9.958E-03	-4.078E-03	2.0	1.0
93.600	-0.7481	0.00968	1.4E 00	3.025E 00	1.774E 00	1.724E 00	8.859E-03	-4.077E-03	2.0	1.0
93.800	-0.7472	0.00966	1.4E 00	3.108E 00	1.762E 00	1.727E 00	5.580E-03	-3.156E-02	1.0	1.0
94.000	-0.7467	0.00964	1.3E 00	2.432E 00	1.749E 00	1.729E 00	2.695E-03	-3.155E-02	1.0	1.0
94.200	-0.7466	0.00964	1.3E 00	1.981E 00	1.737E 00	1.730E 00	1.184E-04	-3.154E-02	1.0	1.0
94.400	-0.7469	0.00964	1.4E 00	3.560E 00	1.713E 00	1.728E 00	-4.911E-03	-6.056E-02	1.0	1.0
94.600	-0.7479	0.00965	1.6E 00	5.211E 00	1.685E 00	1.725E 00	-1.230E-02	-9.112E-02	2.0	1.0
94.800	-0.7500	0.00968	1.7E 00	8.245E 00	1.656E 00	1.718E 00	-2.550E-02	-1.496E-01	3.0	1.0

					1.718E 00	-2.550E-02	-1.496E-01	3.0	1.0

95.000	-0.7543	0.00973	1.9E 00	1.178E 01	1.630E 00	1.709E 00	-4.695E-02	-2.271E-01	3.0	1.0
95.200	-0.7609	0.00979	1.9E 00	1.114E 01	1.603E 00	1.698E 00	-6.584E-02	-2.264E-01	3.0	1.0
95.400	-0.7708	0.00986	2.2E 00	1.702E 01	1.585E 00	1.684E 00	-1.021E-01	-3.662E-01	3.0	1.0
95.600	-0.7848	0.00994	2.1E 00	1.524E 01	1.564E 00	1.670E 00	-1.326E-01	-3.623E-01	3.0	1.0
95.800	-0.8038	0.01002	2.4E 00	2.113E 01	1.565E 00	1.656E 00	-1.836E-01	-5.193E-01	3.0	1.0
96.000	-0.8286	0.01010	2.2E 00	1.794E 01	1.567E 00	1.645E 00	-2.246E-01	-5.105E-01	3.0	1.0
96.200	-0.8580	0.01016	2.1E 00	1.513E 01	1.568E 00	1.636E 00	-2.575E-01	-4.990E-01	3.0	1.0
96.400	-0.8940	0.01047	2.8E 00	3.372E 01	1.097E 00	1.548E 00	-3.166E-01	-6.211E-01	3.0	1.0
96.600	-0.9409	0.01129	3.1E 00	4.206E 01	7.838E-01	1.403E 00	-3.745E-01	-6.211E-01	3.0	1.0

WATRAT= 0. AVS= -2.13464847E 00
XP= 9.64346457E 01 YP= -9.02145791E-01 WATER -0.000000

-0. -0. 1.00000 -0.

XNN1	YMN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	-0.0001	0.08342	1.1E 00	2.093E-01	9.963E-01	9.980E-01	-1.469E-04	-0.	1.0	1.0
2.000	-0.0002	0.08353	1.0E 00	7.585E-02	9.967E-01	9.973E-01	-1.470E-04	1.453E-08	1.0	1.0
3.000	-0.0004	0.08356	1.0E 00	1.638E-02	9.971E-01	9.972E-01	-1.471E-04	4.366E-08	1.0	1.0
4.000	-0.0005	0.08356	1.0E 00	1.745E-02	9.975E-01	9.973E-01	-1.471E-04	7.281E-08	1.0	1.0
5.000	-0.0007	0.08354	1.0E 00	3.107E-02	9.979E-01	9.976E-01	-1.471E-04	1.020E-07	1.0	1.0
6.000	-0.0008	0.08352	1.0E 00	3.853E-02	9.983E-01	9.980E-01	-1.471E-04	1.377E-07	1.0	1.0
7.000	-0.0010	0.08349	1.0E 00	4.272E-02	9.987E-01	9.983E-01	-1.471E-04	1.683E-07	1.0	1.0
8.000	-0.0011	0.08346	1.0E 00	4.476E-02	9.991E-01	9.987E-01	-1.471E-04	1.989E-07	1.0	1.0
9.000	-0.0013	0.08342	1.0E 00	4.575E-02	9.995E-01	9.991E-01	-1.471E-04	2.295E-07	1.0	1.0
10.000	-0.0014	0.08339	1.0E 00	4.623E-02	9.999E-01	9.995E-01	-1.471E-04	2.601E-07	1.0	1.0
11.000	-0.0015	0.08335	1.0E 00	4.769E-02	1.000E 00	1.000E-00	-1.471E-04	3.211E-07	1.0	1.0
12.000	-0.0017	0.08332	1.0E 00	4.961E-02	1.001E 00	1.000E 00	-1.471E-04	3.549E-07	1.0	1.0
13.000	-0.0018	0.08328	1.0E 00	5.055E-02	1.001E 00	1.001E 00	-1.471E-04	3.886E-07	1.0	1.0
14.000	-0.0020	0.08324	1.0E 00	5.101E-02	1.002E 00	1.001E 00	-1.471E-04	4.224E-07	1.0	1.0
15.000	-0.0021	0.08320	1.0E 00	5.124E-02	1.002E 00	1.002E 00	-1.471E-04	4.561E-07	1.0	1.0
16.000	-0.0023	0.08317	1.0E 00	5.329E-02	1.003E 00	1.002E 00	-1.471E-04	5.633E-07	1.0	1.0
17.000	-0.0024	0.08313	1.0E 00	5.620E-02	1.003E 00	1.003E 00	-1.471E-04	6.020E-07	1.0	1.0
18.000	-0.0026	0.08308	1.0E 00	5.762E-02	1.004E 00	1.003E 00	-1.471E-04	6.407E-07	1.0	1.0
19.000	-0.0027	0.08304	1.0E 00	5.832E-02	1.004E 00	1.004E 00	-1.471E-04	6.794E-07	1.0	1.0
20.000	-0.0029	0.08300	1.0E 00	5.866E-02	1.005E 00	1.004E 00	-1.471E-04	7.181E-07	1.0	1.0
21.000	-0.0030	0.08295	1.0E 00	6.164E-02	1.005E 00	1.005E 00	-1.471E-04	9.002E-07	1.0	1.0
22.000	-0.0032	0.08291	1.0E 00	6.589E-02	1.006E 00	1.005E 00	-1.471E-04	9.461E-07	1.0	1.0
23.000	-0.0033	0.08286	1.0E 00	6.794E-02	1.007E 00	1.006E 00	-1.471E-04	9.920E-07	1.0	1.0
24.000	-0.0035	0.08281	1.0E 00	6.894E-02	1.007E 00	1.007E 00	-1.471E-04	1.038E-06	1.0	1.0
25.000	-0.0036	0.08275	1.0E 00	6.944E-02	1.008E 00	1.007E 00	-1.471E-04	1.084E-06	1.0	1.0
26.000	-0.0037	0.08270	1.0E 00	7.364E-02	1.009E 00	1.008E 00	-1.471E-04	1.382E-06	1.0	1.0
27.000	-0.0039	0.08264	1.0E 00	7.960E-02	1.009E 00	1.009E 00	-1.471E-04	1.438E-06	1.0	1.0
28.000	-0.0040	0.08258	1.0E 00	8.247E-02	1.010E 00	1.009E 00	-1.471E-04	1.494E-06	1.0	1.0
29.000	-0.0042	0.08252	1.0E 00	8.387E-02	1.011E 00	1.010E 00	-1.471E-04	1.550E-06	1.0	1.0
30.000	-0.0043	0.08246	1.0E 00	8.457E-02	1.012E 00	1.011E 00	-1.471E-04	1.606E-06	1.0	1.0
31.000	-0.0045	0.08240	1.0E 00	9.039E-02	1.013E 00	1.012E 00	-1.471E-04	2.081E-06	1.0	1.0
32.000	-0.0046	0.08233	1.0E 00	9.864E-02	1.014E 00	1.013E 00	-1.471E-04	2.151E-06	1.0	1.0
33.000	-0.0048	0.08225	1.0E 00	1.026E-01	1.014E 00	1.014E 00	-1.471E-04	2.221E-06	1.0	1.0
34.000	-0.0049	0.08218	1.0E 00	1.045E-01	1.015E 00	1.015E 00	-1.471E-04	2.291E-06	1.0	1.0
35.000	-0.0051	0.08210	1.0E 00	1.055E-01	1.016E 00	1.015E 00	-1.471E-04	2.361E-06	1.0	1.0
36.000	-0.0052	0.08202	1.1E 00	1.135E-01	1.017E 00	1.017E 00	-1.471E-04	3.108E-06	1.0	1.0
37.000	-0.0053	0.08193	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-1.471E-04	3.197E-06	1.0	1.0
38.000	-0.0055	0.08184	1.1E 00	1.304E-01	1.020E 00	1.019E 00	-1.471E-04	3.286E-06	1.0	1.0
39.000	-0.0056	0.08174	1.1E 00	1.330E-01	1.021E 00	1.020E 00	-1.471E-04	3.375E-06	1.0	1.0
40.000	-0.0058	0.08165	1.1E 00	1.344E-01	1.022E 00	1.021E 00	-1.471E-04	3.464E-06	1.0	1.0
41.000	-0.0059	0.08155	1.1E 00	1.456E-01	1.024E 00	1.023E 00	-1.471E-04	4.631E-06	1.0	1.0
42.000	-0.0061	0.08144	1.1E 00	1.615E-01	1.025E 00	1.024E 00	-1.471E-04	4.747E-06	1.0	1.0
43.000	-0.0062	0.08132	1.1E 00	1.690E-01	1.027E 00	1.026E 00	-1.471E-04	4.862E-06	1.0	1.0
44.000	-0.0064	0.08119	1.1E 00	1.727E-01	1.029E 00	1.027E 00	-1.471E-04	4.977E-06	1.0	1.0
45.000	-0.0065	0.08107	1.1E 00	1.745E-01	1.030E 00	1.029E 00	-1.471E-04	5.092E-06	1.0	1.0
46.000	-0.0066	0.08094	1.1E 00	1.904E-01	1.032E 00	1.030E 00	-1.471E-04	6.920E-06	1.0	1.0
47.000	-0.0068	0.08079	1.1E 00	2.128E-01	1.034E 00	1.032E 00	-1.471E-04	7.072E-06	1.0	1.0
48.000	-0.0069	0.08064	1.1E 00	2.233E-01	1.036E 00	1.034E 00	-1.471E-04	7.224E-06	1.0	1.0
49.000	-0.0071	0.08050	1.1E 00	1.696E-01	1.039E 00	1.036E 00	-1.471E-04	7.376E-06	2.0	1.0

47.000	-0.0068	0.08079	1.1E 00	2.128E-01	1.034E 00	1.032E 00	-1.471E-04	6.920E-06	1.0	1.0
48.000	-0.0069	0.08064	1.1E 00	2.233E-01	1.036E 00	1.034E 00	-1.471E-04	7.072E-06	1.0	1.0
49.000	-0.0071	0.08050	1.1E 00	1.696E-01	1.039E 00	1.036E 00	-1.471E-04	7.224E-06	1.0	1.0
50.000	-0.0072	0.08037	1.1E 00	1.945E-01	1.041E 00	1.038E 00	-1.471E-04	7.376E-06	2.0	1.0
51.000	-0.0073	0.08022	1.1E 00	2.254E-01	1.043E 00	1.040E 00	-1.471E-04	7.527E-06	2.0	1.0
52.000	-0.0075	0.08005	1.1E 00	2.599E-01	1.046E 00	1.042E 00	-1.471E-04	1.041E-05	2.0	1.0
53.000	-0.0076	0.07986	1.1E 00	2.811E-01	1.049E 00	1.045E 00	-1.471E-04	1.062E-05	2.0	1.0
54.000	-0.0078	0.07966	1.1E 00	2.943E-01	1.052E 00	1.047E 00	-1.471E-04	1.082E-05	2.0	1.0
55.000	-0.0079	0.07945	1.1E 00	3.026E-01	1.055E 00	1.050E 00	-1.471E-04	1.103E-05	2.0	1.0
56.000	-0.0080	0.07923	1.1E 00	3.307E-01	1.058E 00	1.053E 00	-1.471E-04	1.123E-05	2.0	1.0
57.000	-0.0082	0.07899	1.1E 00	3.707E-01	1.062E 00	1.057E 00	-1.471E-04	1.586E-05	2.0	1.0
58.000	-0.0083	0.07873	1.1E 00	3.954E-01	1.066E 00	1.060E 00	-1.471E-04	1.614E-05	2.0	1.0
59.000	-0.0085	0.07845	1.1E 00	4.109E-01	1.070E 00	1.064E 00	-1.471E-04	1.642E-05	2.0	1.0
60.000	-0.0086	0.07817	1.1E 00	4.208E-01	1.074E 00	1.068E 00	-1.471E-04	1.670E-05	2.0	1.0
61.000	-0.0087	0.07788	1.1E 00	4.615E-01	1.079E 00	1.072E 00	-1.471E-04	1.697E-05	2.0	1.0
62.000	-0.0089	0.07755	1.1E 00	5.208E-01	1.085E 00	1.077E 00	-1.471E-04	2.453E-05	2.0	1.0
63.000	-0.0090	0.07719	1.1E 00	5.574E-01	1.090E 00	1.082E 00	-1.471E-04	2.492E-05	2.0	1.0
64.000	-0.0092	0.07682	1.1E 00	5.804E-01	1.096E 00	1.087E 00	-1.471E-04	2.531E-05	2.0	1.0
65.000	-0.0093	0.07642	1.1E 00	6.433E-01	1.102E 00	1.093E 00	-1.471E-04	2.570E-05	2.0	1.0
66.000	-0.0094	0.07599	1.2E 00	6.909E-01	1.109E 00	1.100E 00	-1.471E-04	2.608E-05	3.0	1.0
67.000	-0.0096	0.07552	1.2E 00	7.770E-01	1.117E 00	1.107E 00	-1.471E-04	3.869E-05	3.0	1.0
68.000	-0.0097	0.07501	1.2E 00	8.268E-01	1.126E 00	1.115E 00	-1.471E-04	3.925E-05	3.0	1.0
69.000	-0.0098	0.07449	1.2E 00	8.568E-01	1.134E 00	1.123E 00	-1.471E-04	3.980E-05	3.0	1.0
70.000	-0.0099	0.07396	1.2E 00	8.758E-01	1.142E 00	1.131E 00	-1.471E-04	4.035E-05	3.0	1.0
71.000	-0.0101	0.07340	1.2E 00	9.814E-01	1.153E 00	1.140E 00	-1.471E-04	4.090E-05	3.0	1.0
72.000	-0.0102	0.07277	1.2E 00	1.135E 00	1.165E 00	1.150E 00	-1.471E-04	6.237E-05	3.0	1.0
73.000	-0.0103	0.07208	1.2E 00	1.224E 00	1.178E 00	1.162E 00	-1.471E-04	6.318E-05	3.0	1.0
74.000	-0.0105	0.07137	1.2E 00	1.277E 00	1.190E 00	1.174E 00	-1.471E-04	6.398E-05	3.0	1.0
75.000	-0.0106	0.07065	1.2E 00	1.311E 00	1.203E 00	1.186E 00	-1.471E-04	6.478E-05	3.0	1.0
76.000	-0.0107	0.06988	1.3E 00	1.486E 00	1.219E 00	1.199E 00	-1.416E-04	6.557E-05	3.0	1.0
77.000	-0.0108	0.06902	1.3E 00	1.737E 00	1.238E 00	1.215E 00	-1.360E-04	1.026E-04	3.0	1.0
78.000	-0.0109	0.06807	1.3E 00	1.882E 00	1.258E 00	1.233E 00	-1.311E-04	1.038E-04	3.0	1.0
79.000	-0.0110	0.06709	1.3E 00	1.971E 00	1.277E 00	1.251E 00	-1.273E-04	1.049E-04	3.0	1.0
80.000	-0.0111	0.06612	1.3E 00	2.031E 00	1.296E 00	1.270E 00	-1.242E-04	1.059E-04	3.0	1.0
81.000	-0.0112	0.06511	1.3E 00	2.255E 00	1.320E 00	1.290E 00	-1.016E-04	1.538E-04	3.0	1.0
82.000	-0.0113	0.06401	1.4E 00	2.570E 00	1.347E 00	1.314C 00	-8.579E-05	1.550E-04	3.0	1.0
83.000	-0.0114	0.06283	1.4E 00	2.758E 00	1.375E 00	1.339E 00	-7.511E-05	1.560E-04	3.0	1.0
84.000	-0.0114	0.06158	1.4E 00	3.166E 00	1.409E 00	1.368E 00	-5.082E-05	1.945E-04	3.0	1.0
85.000	-0.0114	0.06025	1.4E 00	3.411E 00	1.444E 00	1.399E 00	-3.512E-05	1.952E-04	3.0	1.0
86.000	-0.0114	0.05887	1.5E 00	3.726E 00	1.481E 00	1.432E 00	-7.618E-06	2.366E-04	3.0	1.0
87.000	-0.0114	0.05745	1.5E 00	4.083E 00	1.523E 00	1.469E 00	1.024E-05	2.369E-04	3.0	1.0
88.000	-0.0114	0.05601	1.5E 00	4.313E 00	1.564E 00	1.507E 00	2.162E-05	2.369E-04	3.0	1.0
89.000	-0.0114	0.05456	1.5E 00	4.696E 00	1.611E 00	1.548E 00	4.117E-05	2.654E-04	3.0	1.0
90.000	-0.0114	0.05310	1.5E 00	4.950E 00	1.657E 00	1.591E 00	5.346E-05	2.649E-04	3.0	1.0
91.000	-0.0113	0.05171	1.5E 00	4.967E 00	1.700E 00	1.633E 00	5.346E-05	2.198E-04	3.0	1.0
91.200	-0.0113	0.01018	1.5E 00	4.860E 00	1.723E 00	1.641E 00	5.346E-05	2.192E-04	2.0	1.0
91.400	-0.0113	0.01013	1.5E 00	4.846E 00	1.731E 00	1.648E 00	5.346E-05	2.191E-04	2.0	1.0
91.600	-0.0113	0.01009	1.5E 00	4.835E 00	1.738E 00	1.656E 00	5.346E-05	2.189E-04	2.0	1.0
91.800	-0.0113	0.01004	1.5E 00	4.828E 00	1.746E 00	1.664E 00	5.346E-05	2.188E-04	2.0	1.0
92.000	-0.0113	0.00999	1.5E 00	4.824E 00	1.754E 00	1.672E 00	5.346E-05	2.187E-04	2.0	1.0
92.200	-0.0113	0.00995	1.5E 00	4.821E 00	1.761E 00	1.680E 00	5.346E-05	2.186E-04	2.0	1.0
92.400	-0.0113	0.00990	1.5E 00	4.821E 00	1.769E 00	1.687E 00	5.346E-05	2.185E-04	2.0	1.0
92.600	-0.0113	0.00985	1.5E 00	4.823E 00	1.777E 00	1.695E 00	5.346E-05	2.183E-04	2.0	1.0
92.800	-0.0113	0.00981	1.5E 00	4.213E 00	1.773E 00	1.702E 00	2.364E-05	-1.065E-04	2.0	1.0
93.000	-0.0113	0.00978	1.4E 00	3.664E 00	1.769E 00	1.707E 00	-3.352E-06	-1.064E-04	2.0	1.0
93.200	-0.0113	0.00975	1.4E 00	3.169E 00	1.766E 00	1.712E 00	-2.790E-05	-1.064E-04	2.0	1.0
93.400	-0.0113	0.00973	1.4E 00	2.720E 00	1.762E 00	1.715E 00	-5.033E-05	-1.064E-04	2.0	1.0
93.600	-0.0113	0.00971	1.3E 00	2.404E 00	1.758E 00	1.719E 00	-7.177E-05	-1.065E-04	1.0	1.0
93.800	-0.0113	0.00969	1.2E 00	7.457E-01	1.732E 00	1.720E 00	-1.335E-04	-7.370E-04	1.0	1.0
94.000	-0.0113	0.00969	1.2E 00	7.790E-01	1.706E 00	1.719E 00	-1.913E-04	-7.378E-04	1.0	1.0
94.200	-0.0114	0.00971	1.3E 00	2.199E 00	1.680E 00	1.716E 00	-2.503E-04	-7.390E-04	1.0	1.0
94.400	-0.0114	0.00974	1.6E 00	6.380E 00	1.597E 00	1.705E 00	-4.079E-04	-1.813E-03	2.0	1.0
94.600	-0.0115	0.00986	2.0E 00	1.372E 01	1.446E 00	1.676E 00	-7.676E-04	-3.470E-03	2.0	1.0

WATMAT= -8.842795616-04 AVS= -1.08086371E 00
XP= 9.45245409E 01 YP= -1.14443232E-02 WATER -0.001703

AP= [illegible] VP= -1.14443232E-02 WATER -0.001703

	-0.		1.00000		1.00000	-0.					
XNN1	YNN1	DTW	CK	REN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT	
1.000	0.9999	0.08342	1.1E 00	2.092E-01	9.963E-01	9.980E-01	-2.518E-04	-1.969E-04	1.0	1.0	
2.000	0.9996	0.08353	1.0E 00	7.537E-02	9.967E-01	9.973E-01	-3.439E-04	-1.969E-04	1.0	1.0	
3.000	0.9992	0.08356	1.0E 00	1.643E-02	9.971E-01	9.972E-01	-3.439E-04	-1.968E-04	1.0	1.0	
4.000	0.9989	0.08356	1.0E 00	1.735E-02	9.975E-01	9.973E-01	-3.439E-04	-1.967E-04	1.0	1.0	
5.000	0.9985	0.08354	1.0E 00	3.093E-02	9.979E-01	9.976E-01	-3.439E-04	-1.967E-04	1.0	1.0	
6.000	0.9982	0.08352	1.0E 00	3.829E-02	9.983E-01	9.980E-01	-3.543E-04	-2.073E-04	1.0	1.0	
7.000	0.9978	0.08349	1.0E 00	4.266E-02	9.987E-01	9.983E-01	-3.543E-04	-2.072E-04	1.0	1.0	
8.000	0.9975	0.08346	1.0E 00	4.472E-02	9.991E-01	9.987E-01	-3.543E-04	-2.072E-04	1.0	1.0	
9.000	0.9971	0.08342	1.0E 00	4.572E-02	9.995E-01	9.991E-01	-3.543E-04	-2.071E-04	1.0	1.0	
10.000	0.9968	0.08339	1.0E 00	4.621E-02	9.999E-01	9.995E-01	-3.543E-04	-2.070E-04	1.0	1.0	
11.000	0.9964	0.08335	1.0E 00	4.747E-02	1.000E 00	1.000E-00	-3.754E-04	-2.287E-04	1.0	1.0	
12.000	0.9960	0.08332	1.0E 00	4.959E-02	1.001E 00	1.000E 00	-3.754E-04	-2.286E-04	1.0	1.0	
13.000	0.9957	0.08328	1.0E 00	5.053E-02	1.001E 00	1.001E 00	-3.754E-04	-2.285E-04	1.0	1.0	
14.000	0.9953	0.08324	1.0E 00	5.099E-02	1.002E 00	1.001E 00	-3.754E-04	-2.284E-04	1.0	1.0	
15.000	0.9949	0.08320	1.0E 00	5.122E-02	1.002E 00	1.002E 00	-3.754E-04	-2.283E-04	1.0	1.0	
16.000	0.9945	0.08317	1.0E 00	5.300E-02	1.003E 00	1.002E 00	-4.089E-04	-2.625E-04	1.0	1.0	
17.000	0.9941	0.08313	1.0E 00	5.618E-02	1.003E 00	1.003E 00	-4.089E-04	-2.624E-04	1.0	1.0	
18.000	0.9937	0.08308	1.0E 00	5.760E-02	1.004E 00	1.003E 00	-4.089E-04	-2.623E-04	1.0	1.0	
19.000	0.9933	0.08304	1.0E 00	5.829E-02	1.004E 00	1.004E 00	-4.089E-04	-2.622E-04	1.0	1.0	
20.000	0.9929	0.08300	1.0E 00	5.864E-02	1.005E 00	1.004E 00	-4.089E-04	-2.621E-04	1.0	1.0	
21.000	0.9925	0.08295	1.0E 00	6.130E-02	1.005E 00	1.005E 00	-4.576E-04	-3.116E-04	1.0	1.0	
22.000	0.9920	0.08291	1.0E 00	6.586E-02	1.006E 00	1.005E 00	-4.576E-04	-3.115E-04	1.0	1.0	
23.000	0.9915	0.08286	1.0E 00	6.791E-02	1.007E 00	1.006E 00	-4.576E-04	-3.113E-04	1.0	1.0	
24.000	0.9911	0.08281	1.0E 00	6.891E-02	1.007E 00	1.007E 00	-4.576E-04	-3.112E-04	1.0	1.0	
25.000	0.9906	0.08275	1.0E 00	6.941E-02	1.008E 00	1.007E 00	-4.576E-04	-3.110E-04	1.0	1.0	
26.000	0.9901	0.08270	1.0E 00	7.327E-02	1.009E 00	1.008E 00	-5.259E-04	-3.803E-04	1.0	1.0	
27.000	0.9896	0.08264	1.0E 00	7.956E-02	1.009E 00	1.009E 00	-5.259E-04	-3.801E-04	1.0	1.0	
28.000	0.9891	0.08259	1.0E 00	8.243E-02	1.010E 00	1.009E 00	-5.259E-04	-3.799E-04	1.0	1.0	
29.000	0.9886	0.08252	1.0E 00	8.383E-02	1.011E 00	1.010E 00	-5.259E-04	-3.797E-04	1.0	1.0	
30.000	0.9881	0.08246	1.0E 00	8.453E-02	1.012E 00	1.011E 00	-5.259E-04	-3.795E-04	1.0	1.0	
31.000	0.9875	0.08240	1.0E 00	9.001E-02	1.013E 00	1.012E 00	-6.201E-04	-4.751E-04	1.0	1.0	
32.000	0.9869	0.08233	1.0E 00	9.859E-02	1.014E 00	1.013E 00	-6.201E-04	-4.748E-04	1.0	1.0	
33.000	0.9863	0.08225	1.0E 00	1.025E-01	1.014E 00	1.014E 00	-6.201E-04	-4.745E-04	1.0	1.0	
34.000	0.9857	0.08218	1.0E 00	1.045E-01	1.015E 00	1.015E 00	-6.201E-04	-4.742E-04	1.0	1.0	
35.000	0.9850	0.08210	1.0E 00	1.054E-01	1.016E 00	1.015E 00	-6.201E-04	-4.739E-04	1.0	1.0	
36.000	0.9844	0.08202	1.0E 00	1.132E-01	1.017E 00	1.017E 00	-7.501E-04	-6.057E-04	1.0	1.0	
37.000	0.9836	0.08193	1.1E 00	1.249E-01	1.019E 00	1.018E 00	-7.501E-04	-6.052E-04	1.0	1.0	
38.000	0.9829	0.08184	1.1E 00	1.303E-01	1.020E 00	1.019E 00	-7.501E-04	-6.048E-04	1.0	1.0	
39.000	0.9822	0.08175	1.1E 00	1.330E-01	1.021E 00	1.020E 00	-7.501E-04	-6.043E-04	1.0	1.0	
40.000	0.9814	0.08165	1.1E 00	1.343E-01	1.022E 00	1.021E 00	-7.501E-04	-6.039E-04	1.0	1.0	
41.000	0.9806	0.08155	1.1E 00	1.453E-01	1.024E 00	1.023E 00	-9.124E-04	-7.867E-04	1.0	1.0	
42.000	0.9797	0.08144	1.1E 00	1.613E-01	1.025E 00	1.024E 00	-9.294E-04	-7.860E-04	1.0	1.0	
43.000	0.9788	0.08132	1.1E 00	1.689E-01	1.027E 00	1.026E 00	-9.294E-04	-7.853E-04	1.0	1.0	
44.000	0.9779	0.08119	1.1E 00	1.726E-01	1.029E 00	1.027E 00	-9.294E-04	-7.846E-04	1.0	1.0	
45.000	0.9770	0.08107	1.1E 00	1.744E-01	1.030E 00	1.029E 00	-9.294E-04	-7.838E-04	1.0	1.0	
46.000	0.9760	0.08094	1.1E 00	1.902E-01	1.032E 00	1.030E 00	-1.129E-03	-1.041E-03	1.0	1.0	
47.000	0.9749	0.08079	1.1E 00	2.126E-01	1.034E 00	1.032E 00	-1.182E-03	-1.040E-03	1.0	1.0	
48.000	0.9737	0.08064	1.1E 00	2.232E-01	1.036E 00	1.034E 00	-1.182E-03	-1.039E-03	1.0	1.0	
49.000	0.9726	0.08050	1.1E 00	1.694E-01	1.038E 00	1.036E 00	-1.182E-03	-1.037E-03	2.0	1.0	
50.000	0.9715	0.08037	1.1E 00	1.943E-01	1.041E 00	1.038E 00	-1.182E-03	-1.036E-03	2.0	1.0	
51.000	0.9702	0.08022	1.1E 00	2.251E-01	1.043E 00	1.040E 00	-1.371E-03	-1.404E-03	2.0	1.0	
52.000	0.9689	0.08005	1.1E 00	2.596E-01	1.046E 00	1.042E 00	-1.487E-03	-1.402E-03	2.0	1.0	
53.000	0.9674	0.07986	1.1E 00	2.809E-01	1.049E 00	1.045E 00	-1.540E-03	-1.400E-03	2.0	1.0	
54.000	0.9659	0.07966	1.1E 00	2.941E-01	1.052E 00	1.047E 00	-1.540E-03	-1.398E-03	2.0	1.0	
55.000	0.9645	0.07946	1.1E 00	3.024E-01	1.055E 00	1.050E 00	-1.540E-03	-1.396E-03	2.0	1.0	
56.000	0.9629	0.07924	1.1E 00	3.306E-01	1.058E 00	1.053E 00	-1.793E-03	-1.933E-03	2.0	1.0	
57.000	0.9611	0.07899	1.1E 00	3.704E-01	1.062E 00	1.057E 00	-1.946E-03	-1.929E-03	2.0	1.0	
58.000	0.9592	0.07873	1.1E 00	3.951E-01	1.066E 00	1.060E 00	-2.045E-03	-1.926E-03	2.0	1.0	
59.000	0.9573	0.07846	1.1E 00	4.106E-01	1.070E 00	1.064E 00	-2.060E-03	-1.922E-03	2.0	1.0	
60.000	0.9553	0.07818	1.1E 00	4.205E-01	1.074E 00	1.068E 00	-2.060E-03	-1.918E-03	2.0	1.0	
61.000	0.9533	0.07788	1.1E 00	4.616E-01	1.079E 00	1.072E 00	-2.414E-03	-2.722E-03	2.0	1.0	
62.000	0.9509	0.07755	1.1E 00	5.204E-01	1.085E 00	1.077E 00	-2.630E-03	-2.716E-03	2.0	1.0	
63.000	0.9484	0.07719	1.1E 00	5.569E-01	1.090E 00	1.082E 00	-2.761E-03	-2.709E-03	2.0	1.0	
64.000	0.9458	0.07682	1.1E 00	5.799E-01	1.096E 00	1.087E 00	-2.837E-03	-2.702E-03	2.0	1.0	

60.000	0.9553	0.07818	1.1E 00	4.205E-01	1.074E 00	1.068E 00	-2.060E-03	-1.918E-03	2.0	1.0
61.000	0.9533	0.07788	1.1E 00	4.616E-01	1.079E 00	1.072E 00	-2.414E-03	-2.722E-03	2.0	1.0
62.000	0.9509	0.07755	1.1E 00	5.204E-01	1.085E 00	1.077E 00	-2.630E-03	-2.716E-03	2.0	1.0
63.000	0.9484	0.07719	1.1E 00	5.569E-01	1.090E 00	1.082E 00	-2.761E-03	-2.709E-03	2.0	1.0
64.000	0.9458	0.07682	1.1E 00	5.799E-01	1.096E 00	1.087E 00	-2.837E-03	-2.702E-03	2.0	1.0
65.000	0.9432	0.07644	1.1E 00	5.949E-01	1.102E 00	1.093E 00	-2.837E-03	-2.695E-03	2.0	1.0
66.000	0.9404	0.07602	1.2E 00	7.126E-01	1.109E 00	1.100E 00	-3.396E-03	-3.927E-03	3.0	1.0
67.000	0.9372	0.07554	1.2E 00	7.880E-01	1.117E 00	1.107E 00	-3.717E-03	-3.915E-03	3.0	1.0
68.000	0.9337	0.07503	1.2E 00	8.324E-01	1.125E 00	1.115E 00	-3.894E-03	-3.902E-03	3.0	1.0
69.000	0.9302	0.07450	1.2E 00	8.594E-01	1.134E 00	1.123E 00	-3.998E-03	-3.888E-03	3.0	1.0
70.000	0.9267	0.07397	1.2E 00	8.769E-01	1.142E 00	1.131E 00	-4.003E-03	-3.873E-03	3.0	1.0
71.000	0.9228	0.07341	1.2E 00	9.845E-01	1.153E 00	1.140E 00	-4.852E-03	-5.805E-03	3.0	1.0
72.000	0.9183	0.07278	1.2E 00	1.135E 00	1.165E 00	1.150E 00	-5.340E-03	-5.781E-03	3.0	1.0
73.000	0.9136	0.07209	1.2E 00	1.223E 00	1.178E 00	1.162E 00	-5.612E-03	-5.753E-03	3.0	1.0
74.000	0.9087	0.07138	1.2E 00	1.276E 00	1.190E 00	1.173E 00	-5.759E-03	-5.723E-03	3.0	1.0
75.000	0.9038	0.07066	1.2E 00	1.310E 00	1.203E 00	1.185E 00	-5.817E-03	-5.693E-03	3.0	1.0
76.000	0.8984	0.06989	1.3E 00	1.490E 00	1.219E 00	1.199E 00	-7.129E-03	-8.754E-03	3.0	1.0
77.000	0.8921	0.06903	1.3E 00	1.736E 00	1.238E 00	1.215E 00	-7.880E-03	-8.701E-03	3.0	1.0
78.000	0.8855	0.06808	1.3E 00	1.880E 00	1.257E 00	1.233E 00	-8.291E-03	-8.641E-03	3.0	1.0
79.000	0.8788	0.06711	1.3E 00	1.969E 00	1.277E 00	1.251E 00	-8.503E-03	-8.577E-03	3.0	1.0
80.000	0.8720	0.06613	1.3E 00	2.028E 00	1.296E 00	1.269E 00	-8.594E-03	-8.512E-03	3.0	1.0
81.000	0.8647	0.06512	1.3E 00	2.258E 00	1.320E 00	1.290E 00	-1.010E-02	-1.204E-02	3.0	1.0
82.000	0.8566	0.06402	1.4E 00	2.569E 00	1.347E 00	1.313E 00	-1.095E-02	-1.194E-02	3.0	1.0
83.000	0.8482	0.06285	1.4E 00	2.755E 00	1.375E 00	1.339E 00	-1.140E-02	-1.183E-02	3.0	1.0
84.000	0.8392	0.06159	1.4E 00	3.167E 00	1.409E 00	1.367E 00	-1.277E-02	-1.452E-02	3.0	1.0
85.000	0.8297	0.06026	1.4E 00	3.409E 00	1.443E 00	1.398E 00	-1.350E-02	-1.437E-02	3.0	1.0
86.000	0.8196	0.05889	1.5E 00	3.728E 00	1.481E 00	1.432E 00	-1.508E-02	-1.719E-02	3.0	1.0
87.000	0.8090	0.05746	1.5E 00	4.085E 00	1.523E 00	1.469E 00	-1.593E-02	-1.698E-02	3.0	1.0
88.000	0.7981	0.05602	1.5E 00	4.315E 00	1.564E 00	1.507E 00	-1.634E-02	-1.676E-02	3.0	1.0
89.000	0.7871	0.05456	1.5E 00	4.709E 00	1.611E 00	1.548E 00	-1.731E-02	-1.859E-02	3.0	1.0
90.000	0.7759	0.05310	1.5E 00	4.967E 00	1.657E 00	1.591E 00	-1.779E-02	-1.833E-02	3.0	1.0
91.000	0.7651	0.05170	1.5E 00	5.014E 00	1.701E 00	1.633E 00	-1.692E-02	-1.535E-02	3.0	1.0
91.200	0.7631	0.01018	1.5E 00	4.937E 00	1.725E 00	1.641E 00	-1.678E-02	-1.513E-02	2.0	1.0
91.400	0.7611	0.01013	1.5E 00	4.931E 00	1.733E 00	1.649E 00	-1.665E-02	-1.509E-02	2.0	1.0
91.600	0.7590	0.01008	1.5E 00	4.927E 00	1.741E 00	1.657E 00	-1.652E-02	-1.505E-02	2.0	1.0
91.800	0.7571	0.01003	1.5E 00	4.925E 00	1.749E 00	1.665E 00	-1.641E-02	-1.501E-02	2.0	1.0
92.000	0.7551	0.00998	1.5E 00	4.926E 00	1.757E 00	1.673E 00	-1.630E-02	-1.497E-02	2.0	1.0
92.200	0.7532	0.00994	1.5E 00	4.929E 00	1.765E 00	1.681E 00	-1.620E-02	-1.493E-02	2.0	1.0
92.400	0.7513	0.00989	1.5E 00	4.933E 00	1.773E 00	1.689E 00	-1.610E-02	-1.489E-02	2.0	1.0
92.600	0.7494	0.00984	1.5E 00	4.939E 00	1.781E 00	1.697E 00	-1.601E-02	-1.485E-02	2.0	1.0
92.800	0.7476	0.00980	1.5E 00	4.577E 00	1.780E 00	1.704E 00	-1.433E-02	4.077E-03	2.0	1.0
93.000	0.7460	0.00976	1.5E 00	4.128E 00	1.778E 00	1.710E 00	-1.283E-02	4.075E-03	2.0	1.0
93.200	0.7446	0.00973	1.5E 00	3.723E 00	1.777E 00	1.716E 00	-1.148E-02	4.073E-03	2.0	1.0
93.400	0.7433	0.00970	1.4E 00	3.359E 00	1.776E 00	1.720E 00	-1.027E-02	4.072E-03	2.0	1.0
93.600	0.7422	0.00968	1.4E 00	3.029E 00	1.774E 00	1.724E 00	-9.181E-03	4.070E-03	2.0	1.0
93.800	0.7413	0.00966	1.4E 00	3.116E 00	1.762E 00	1.727E 00	-5.919E-03	3.144E-02	1.0	1.0
94.000	0.7408	0.00964	1.3E 00	2.442E 00	1.749E 00	1.729E 00	-3.049E-03	3.143E-02	1.0	1.0
94.200	0.7406	0.00964	1.3E 00	1.994E 00	1.737E 00	1.730E 00	-4.866E-04	3.142E-02	1.0	1.0
94.400	0.7408	0.00964	1.4E 00	3.573E 00	1.713E 00	1.728E 00	4.533E-03	6.044E-02	1.0	1.0
94.600	0.7418	0.00965	1.6E 00	5.228E 00	1.685E 00	1.725E 00	1.193E-02	9.108E-02	2.0	1.0
94.800	0.7439	0.00968	1.8E 00	8.280E 00	1.656E 00	1.718E 00	2.517E-02	1.500E-01	3.0	1.0
95.000	0.7481	0.00973	1.9E 00	1.184E 01	1.630E 00	1.709E 00	4.677E-02	2.281E-01	3.0	1.0
95.200	0.7547	0.00979	1.9E 00	1.120E 01	1.603E 00	1.697E 00	6.579E-02	2.274E-01	3.0	1.0
95.400	0.7647	0.00986	2.2E 00	1.714E 01	1.585E 00	1.684E 00	1.024E-01	3.686E-01	3.0	1.0
95.600	0.7787	0.00994	2.1E 00	1.533E 01	1.564E 00	1.670E 00	1.332E-01	3.647E-01	3.0	1.0
95.800	0.7978	0.01002	2.4E 00	2.125E 01	1.565E 00	1.656E 00	1.845E-01	5.221E-01	3.0	1.0
96.000	0.8227	0.01010	2.2E 00	1.803E 01	1.567E 00	1.645E 00	2.258E-01	5.133E-01	3.0	1.0
96.200	0.8522	0.01016	2.1E 00	1.521E 01	1.568E 00	1.636E 00	2.589E-01	5.017E-01	3.0	1.0
96.400	0.8885	0.01047	2.8E 00	3.367E 01	1.097E 00	1.548E 00	3.177E-01	6.211E-01	3.0	1.0
96.600	0.9354	0.01130	3.1E 00	4.204E 01	7.838E-01	1.403E 00	3.753E-01	6.21 E-01	3.0	1.0

WATRAT= 9.35273039E-04 AVS= 1.04058199E 00
XP= 9.64107144E 01 YP= 8.90986276E-01 WATER 0.001757

-0. 2.00000 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	1.9998	0.08342	1.1E 00	2.101E-01	9.963E-01	9.980E-01	-3.566E-04	-3.935E-04	1.0	1.0
2.000	1.9994	0.08353	1.0E 00	7.536E-02	9.967E-01	9.973E-01	-5.227E-04	-3.934E-04	1.0	1.0
3.000	1.9988	0.08356	1.0E 00	1.598E-02	9.971E-01	9.972E-01	-5.405E-04	-3.933E-04	1.0	1.0

4.000	1.9983	0.08356	1.0E 00	1.732E-02	9.975E-01	-5.405E-04	-3.732E-04	1.0	1.0
5.000	1.9978	0.08354	1.0E 00	3.089E-02	9.979E-01	-5.405E-04	-3.931E-04	1.0	1.0
6.000	1.9972	0.08352	1.0E 00	3.812E-02	9.983E-01	-5.614E-04	-4.144E-04	1.0	1.0
7.000	1.9966	0.08349	1.0E 00	4.261E-02	9.987E-01	-5.614E-04	-4.143E-04	1.0	1.0
8.000	1.9961	0.08346	1.0E 00	4.466E-02	9.987E-01	-5.614E-04	-4.142E-04	1.0	1.0
9.000	1.9955	0.08342	1.0E 00	4.566E-02	9.991E-01	-5.614E-04	-4.141E-04	1.0	1.0
10.000	1.9950	0.08339	1.0E 00	4.616E-02	9.995E-01	-5.614E-04	-4.139E-04	1.0	1.0
11.000	1.9944	0.08335	1.0E 00	4.724E-02	1.000E 00	-6.040E-04	-4.572E-04	1.0	1.0
12.000	1.9938	0.08332	1.0E 00	4.953E-02	1.000E 00	-6.040E-04	-4.571E-04	1.0	1.0
13.000	1.9932	0.08328	1.0F 00	5.046E-02	1.001E 00	-6.040F-04	-4.570E-04	1.0	1.0
14.000	1.9926	0.08324	1.0E 00	5.092E-02	1.001E 00	-6.040E-04	-4.568E-04	1.0	1.0
15.000	1.9920	0.08321	1.0E 00	5.115E-02	1.002E 00	-6.715E-04	-4.567E-04	1.0	1.0
16.000	1.9913	0.08317	1.0E 00	5.273E-02	1.002E 00	-6.715E-04	-5.251E-04	1.0	1.0
17.000	1.9907	0.08313	1.0E 00	5.610F-02	1.003E 00	-6.715F-04	-5.249E-04	1.0	1.0
18.000	1.9900	0.08308	1.0E 00	5.752E-02	1.004E 00	-6.715E-04	-5.247E-04	1.0	1.0
19.000	1.9893	0.08304	1.0E 00	5.821E-02	1.004E 00	-6.715E-04	-5.244E-04	1.0	1.0
20.000	1.9887	0.08300	1.0E 00	5.855E-02	1.004E 00	-6.715E-04	-5.244E-04	1.0	1.0
21.000	1.9879	0.08295	1.0E 00	6.102C-02	1.005E 00	-7.695E-04	-6.235E-04	1.0	1.0
22.000	1.9872	0.08291	1.0E 00	6.576E-02	1.006E 00	-7.695E-04	-6.232E-04	1.0	1.0
23.000	1.9864	0.08286	1.0E 00	6.780E-02	1.007E 00	-7.695E-04	-6.230E-04	1.0	1.0
24.000	1.9856	0.08281	1.0E 00	6.880E-02	1.007E 00	-7.695E-04	-6.228E-04	1.0	1.0
25.000	1.9849	0.08276	1.0E 00	6.930E-02	1.008E 00	-7.695E-04	-6.225E-04	1.0	1.0
26.000	1.9840	0.08270	1.0E 00	7.301E-02	1.009E 00	-7.695E-04	-7.612E-04	1.0	1.0
27.000	1.9831	0.08265	1.0E 00	7.943E-02	1.009E 00	-9.068E-04	-7.608E-04	1.0	1.0
28.000	1.9822	0.08259	1.0E 00	8.229E-02	1.009E 00	-9.066E-04	-7.605E-04	1.0	1.0
29.000	1.9813	0.08253	1.0F 00	8.368E-02	1.010E 00	-9.066E-04	-7.602E-04	1.0	1.0
30.000	1.9805	0.08246	1.0E 00	8.438F-02	1.011E 00	-9.066F-04	-7.598F-04	1.0	1.0
31.000	1.9795	0.08240	1.0E 00	8.903E-02	1.012E 00	-1.075E-03	-7.511E-04	1.0	1.0
32.000	1.9784	0.08233	1.0E 00	9.831E-02	1.013E 00	-1.096E-03	-9.506E-04	1.0	1.0
33.000	1.9773	0.08226	1.0E 00	1.024E-01	1.014E 00	-1.096E-03	-9.501E-04	1.0	1.0
34.000	1.9762	0.08218	1.0E 00	1.043E-01	1.015E 00	-1.096F-03	-9.496E-04	1.0	1.0
35.000	1.9752	0.08210	1.0E 00	1.052F-01	1.016E 00	-1.096E-03	-9.491E-04	1.0	1.0
36.000	1.9740	0.08202	1.0E 00	1.131E-01	1.017E 00	-1.300F-03	-1.213E-03	1.0	1.0
37.000	1.9727	0.08194	1.1E 00	1.245E-01	1.019E 00	-1.356F-03	-1.212E-03	1.0	1.0
38.000	1.9713	0.08184	1.1E 00	1.301E-01	1.020E 00	-1.356E-03	-1.211E-03	1.0	1.0
39.000	1.9700	0.08175	1.1E 00	1.327E-01	1.021E 00	-1.356E-03	-1.210E-03	1.0	1.0
40.000	1.9687	0.08165	1.1E 00	1.340E-01	1.022E 00	-1.356F-03	-1.210E-03	1.0	1.0
41.000	1.9672	0.08155	1.1E 00	1.455E-01	1.024E 00	-1.613E-03	-1.576E-03	1.0	1.0
42.000	1.9656	0.08144	1.1E 00	1.608F-01	1.025E 00	-1.718E-03	-1.575E-03	1.0	1.0
43.000	1.9639	0.08132	1.1E 00	1.685E-01	1.027E 00	-1.718E-03	-1.573E-03	1.0	1.0
44.000	1.9623	0.08120	1.1E 00	1.721E-01	1.029E 00	-1.718F-03	-1.572E-03	1.0	1.0
45.000	1.9606	0.08107	1.1E 00	1.740E-01	1.030F 00	-1.718F-03	-1.571E-03	1.0	1.0
46.000	1.9587	0.08094	1.1E 00	1.907E-01	1.032E 00	-2.050F-03	-2.085E-03	1.0	1.0
47.000	1.9567	0.08080	1.1E 00	2.119E-01	1.034E 00	-2.209F-03	-2.083E-03	1.0	1.0
48.000	1.9545	0.08064	1.1C 00	2.226F-01	1.036C 00	-2.223E-03	-2.081E-03	1.0	1.0
49.000	1.9524	0.08051	1.1E 00	1.690E-01	1.038E 00	-2.223E-03	-2.079E-03	2.0	1.0
50.000	1.9502	0.08038	1.1E 00	1.938F-01	1.041E 00	-2.223E-03	-2.076E-03	2.0	1.0
51.000	1.9479	0.08023	1.1E 00	2.253E-01	1.043E 00	-2.552E-03	-2.813E-03	2.0	1.0
52.000	1.9454	0.08006	1.1E 00	2.589E-01	1.046E 00	-2.755E-03	-2.809E-03	2.0	1.0
53.000	1.9427	0.07987	1.1E 00	2.800E-01	1.049E 00	-2.878E-03	-2.806E-03	2.0	1.0
54.000	1.9399	0.07967	1.1E 00	2.931E-01	1.052E 00	-2.942E-03	-2.802E-03	2.0	1.0
55.000	1.9371	0.07946	1.1E 00	3.014E-01	1.055E 00	-2.942F-03	-2.798E-03	2.0	1.0
56.000	1.9341	0.07925	1.1E 00	3.310E-01	1.058E 00	-3.401F-03	-3.073E-03	2.0	1.0
57.000	1.9307	0.07901	1.1E 00	3.694C-01	1.062E 00	-3.682E-03	-3.867E-03	2.0	1.0
58.000	1.9272	0.07874	1.1E 00	3.937E-01	1.066E 00	-3.853E-03	-3.861E-03	2.0	1.0
59.000	1.9235	0.07847	1.1E 00	4.090E-01	1.070L 00	-3.955E-03	-3.854E-03	2.0	1.0
60.000	1.9198	0.07819	1.1E 00	4.189E-01	1.074E 00	-3.984E-03	-3.848E-03	2.0	1.0
61.000	1.9157	0.07789	1.1E 00	4.628C-01	1.079E 00	-4.647E-03	-5.456E-03	2.0	1.0
62.000	1.9112	0.07757	1.1E 00	5.190E-01	1.084E 00	-5.053F-03	-5.445E-03	2.0	1.0
63.000	1.9064	0.07721	1.1E 00	5.547E-01	1.090E 00	-5.294E-03	-5.432E-03	2.0	1.0
64.000	1.9015	0.07684	1.1E 00	5.775E-01	1.096E 00	-5.445E-03	-5.419E-03	2.0	1.0
65.000	1.8964	0.07646	1.1E 00	5.923E-01	1.101E 00	-5.534E-03	-5.404E-03	2.0	1.0
66.000	1.8909	0.07604	1.2E 00	7.152E-01	1.108E 00	-6.613E-03	-7.075E-03	3.0	1.0
67.000	1.8846	0.07556	1.2E 00	7.857E-01	1.117E 00	-7.234E-03	-7.852E-03	3.0	1.0
68.000	1.8780	0.07505	1.2E 00	8.206E-01	1.125E 00	-7.585E-03	-7.826E-03	3.0	1.0
69.000	1.8711	0.07453	1.2E 00	8.553E-01	1.133E 00	-7.777E-03	-7.798E-03	3.0	1.0

98.000	1.8111	0.00921	2.0E 00	1.325E 01	1.855E 00	1.812E 00	4.112E-01	6.286E-01	3.0	1.0
98.200	1.8575	0.00919	1.9E 00	1.128E 01	1.862E 00	1.817E 00	4.315E-01	6.154E-01	3.0	1.0
98.400	1.9090	0.00937	2.8E 00	3.281E 01	1.301E 00	1.742E 00	4.831E-01	7.869E-01	3.0	1.0
98.600	1.9699	0.00997	3.2E 00	4.474E 01	9.293E-01	1.601E 00	5.359E-01	7.869E-01	3.0	1.0
98.800	2.0453	0.01117	3.5E 00	5.426E 01	5.576E-01	1.383E 00	5.883E-01	7.869E-01	3.0	1.0
99.000	2.1290	0.01153	2.9E 00	3.631E 01	2.066E 00	1.508E 00	6.222E-01	7.741E-01	3.0	1.0
99.200	2.2105	0.01073	2.7E 00	3.035E 01	2.077E 00	1.599E 00	6.427E-01	7.504E-01	3.0	1.0
99.400	2.2892	0.01019	2.6E 00	2.637E 01	2.102E 00	1.672E 00	6.442E-01	6.530E-01	3.0	1.0
99.600	2.3649	0.00979	2.5E 00	2.374E 01	2.122E 00	1.732E 00	6.453E-01	6.530E-01	3.0	1.0

WATRAT= 4.91616410E-04 AVS= 3.78433204E 00
XP= 9.94488168E 01 YP= 2.30768454E 00 WATER 0.005271

-0. 3.00000 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	2.9998	0.08342	1.1E 00	2.115E-01	9.963E-01	9.980E-01	-4.611E-04	-5.892E-04	1.0	1.0
2.000	2.9992	0.08353	1.0E 00	7.565E-02	9.967E-01	9.973E-01	-6.743E-04	-5.892E-04	1.0	1.0
3.000	2.9985	0.08356	1.0E 00	1.505E-02	9.971E-01	9.972E-01	-7.362E-04	-5.891E-04	1.0	1.0
4.000	2.9978	0.08356	1.0E 00	1.723E-02	9.975E-01	9.973E-01	-7.362E-04	-5.889E-04	1.0	1.0
5.000	2.9970	0.08354	1.0E 00	3.078E-02	9.979E-01	9.976E-01	-7.362E-04	-5.888E-04	1.0	1.0
6.000	2.9963	0.08352	1.0E 00	3.791E-02	9.983E-01	9.980E-01	-7.680E-04	-6.210E-04	1.0	1.0
7.000	2.9955	0.08349	1.0E 00	4.252E-02	9.987E-01	9.983E-01	-7.680E-04	-6.208E-04	1.0	1.0
8.000	2.9947	0.08346	1.0E 00	4.459E-02	9.991E-01	9.987E-01	-7.680E-04	-6.206E-04	1.0	1.0
9.000	2.9940	0.08342	1.0E 00	4.560E-02	9.995E-01	9.991E-01	-7.680E-04	-6.205E-04	1.0	1.0
10.000	2.9932	0.08339	1.0E 00	4.609E-02	9.999E-01	9.995E-01	-7.680E-04	-6.203E-04	1.0	1.0
11.000	2.9924	0.08335	1.0E 00	4.704E-02	1.000E 00	1.000E-00	-8.320E-04	-6.852E-04	1.0	1.0
12.000	2.9916	0.08332	1.0E 00	4.946E-02	1.001E 00	1.000E 00	-8.320E-04	-6.850E-04	1.0	1.0
13.000	2.9907	0.08328	1.0E 00	5.039E-02	1.001E 00	1.001E 00	-8.320E-04	-6.848E-04	1.0	1.0
14.000	2.9899	0.08324	1.0E 00	5.085E-02	1.002E 00	1.001E 00	-8.320E-04	-6.847E-04	1.0	1.0
15.000	2.9891	0.08321	1.0E 00	5.108E-02	1.002E 00	1.002E 00	-8.320E-04	-6.845E-04	1.0	1.0
16.000	2.9882	0.08317	1.0E 00	5.252E-02	1.003E 00	1.002E 00	-9.333E-04	-7.869E-04	1.0	1.0
17.000	2.9872	0.08313	1.0E 00	5.602E-02	1.003E 00	1.003E 00	-9.333E-04	-7.867E-04	1.0	1.0
18.000	2.9863	0.08308	1.0E 00	5.743E-02	1.004E 00	1.003E 00	-9.333E-04	-7.864E-04	1.0	1.0
19.000	2.9854	0.08304	1.0E 00	5.812E-02	1.004E 00	1.004E 00	-9.333E-04	-7.862E-04	1.0	1.0
20.000	2.9845	0.08300	1.0E 00	5.846E-02	1.005E 00	1.004E 00	-9.333E-04	-7.859E-04	1.0	1.0
21.000	2.9835	0.08295	1.0E 00	6.086E-02	1.005E 00	1.005E 00	-1.080E-03	-9.344E-04	1.0	1.0
22.000	2.9824	0.08291	1.0E 00	6.565E-02	1.006E 00	1.005E 00	-1.080E-03	-9.341E-04	1.0	1.0
23.000	2.9813	0.08286	1.0E 00	6.769E 02	1.007E 00	1.006E 00	-1.080E-03	-9.337E-04	1.0	1.0
24.000	2.9802	0.08281	1.0E 00	6.869E-02	1.007E 00	1.007E 00	-1.080E-03	-9.334E-04	1.0	1.0
25.000	2.9792	0.08276	1.0E 00	6.918E-02	1.008E 00	1.007E 00	-1.080E-03	-9.331E-04	1.0	1.0
26.000	2.9780	0.08270	1.0E 00	7.296E-02	1.009E 00	1.008E 00	-1.257E-03	-1.141E-03	1.0	1.0
27.000	2.9767	0.08265	1.0E 00	7.913E-02	1.009E 00	1.009E 00	-1.286E-03	-1.140E-03	1.0	1.0
28.000	2.9755	0.08259	1.0E 00	8.214E-02	1.010E 00	1.009E 00	-1.286E-03	-1.140E-03	1.0	1.0
29.000	2.9742	0.08253	1.0E 00	8.353E-02	1.011E 00	1.010E 00	-1.286E-03	-1.139E-03	1.0	1.0
30.000	2.9729	0.08247	1.0E 00	8.422E-02	1.012E 00	1.011E 00	-1.286E-03	-1.139E-03	1.0	1.0
31.000	2.9715	0.08240	1.0E 00	8.996E-02	1.012E 00	1.012E 00	-1.502E-03	-1.425E-03	1.0	1.0
32.000	2.9700	0.08233	1.0E 00	9.796E-02	1.013E 00	1.013E 00	-1.570E-03	-1.425E-03	1.0	1.0
33.000	2.9685	0.08226	1.0E 00	1.021E-01	1.014E 00	1.014E 00	-1.570E-03	-1.424E-03	1.0	1.0
34.000	2.9669	0.08218	1.0E 00	1.041E-01	1.015E 00	1.014E 00	-1.570E-03	-1.423E-03	1.0	1.0
35.000	2.9654	0.08211	1.0E 00	1.050E-01	1.016E 00	1.015E 00	-1.570E-03	-1.423E-03	1.0	1.0
36.000	2.9637	0.08203	1.1E 00	1.136E-01	1.017E 00	1.016E 00	-1.841E-03	-1.818E-03	1.0	1.0
37.000	2.9618	0.08194	1.1E 00	1.241E-01	1.019E 00	1.018E 00	-1.961E-03	-1.817E-03	1.0	1.0
38.000	2.9599	0.08185	1.1E 00	1.298E-01	1.020E 00	1.019E 00	-1.961E-03	-1.815E-03	1.0	1.0
39.000	2.9580	0.08175	1.1E 00	1.324E-01	1.021E 00	1.020E 00	-1.961E-03	-1.814E-03	1.0	1.0
40.000	2.9561	0.08166	1.1E 00	1.337E-01	1.022E 00	1.021E 00	-1.961E-03	-1.813E-03	1.0	1.0
41.000	2.9540	0.08155	1.1E 00	1.464E-01	1.024E 00	1.022E 00	-2.310E-03	-2.361E-03	1.0	1.0
42.000	2.9516	0.08144	1.1E 00	1.604E-01	1.025E 00	1.024E 00	-2.479E-03	-2.359E-03	1.0	1.0
43.000	2.9492	0.08133	1.1E 00	1.680E-01	1.027E 00	1.025E 00	-2.501E-03	-2.358E-03	1.0	1.0
44.000	2.9468	0.08120	1.1E 00	1.717E-01	1.028E 00	1.027E 00	-2.501E-03	-2.356E-03	1.0	1.0
45.000	2.9443	0.08108	1.1E 00	1.735E-01	1.030E 00	1.029E 00	-2.501E-03	-2.354E-03	1.0	1.0
46.000	2.9417	0.08095	1.1E 00	1.923E-01	1.032E 00	1.030E 00	-2.965E-03	-3.124E-03	1.0	1.0
47.000	2.9387	0.08080	1.1E 00	2.114E-01	1.034E 00	1.032E 00	-3.188E-03	-3.121E-03	1.0	1.0
48.000	2.9356	0.08065	1.1E 00	2.218E-01	1.036E 00	1.034E 00	-3.260E-03	-3.118E-03	1.0	1.0
49.000	2.9324	0.08051	1.1E 00	1.685E-01	1.038E 00	1.036E 00	-3.260E-03	-3.115E-03	2.0	1.0
50.000	2.9293	0.08038	1.1E 00	1.932E-01	1.040E 00	1.038E 00	-3.260E-03	-3.112E-03	2.0	1.0
51.000	2.9259	0.08024	1.1E 00	2.265E-01	1.043E 00	1.040E 00	-3.727E-03	-4.213E-03	2.0	1.0
52.000	2.9222	0.08007	1.1E 00	2.585E-01	1.046E 00	1.042E 00	-4.015E-03	-4.209E-03	2.0	1.0
53.000	2.9183	0.07988	1.1E 00	2.791E-01	1.049E 00	1.045E 00	-4.191E-03	-4.203E-03	2.0	1.0
54.000	2.9142	0.07968	1.1E 00	2.921E-01	1.052E 00	1.047E 00	-4.298E-03	-4.198E-03	2.0	1.0
55.000	2.9101	0.07947	1.1E 00	3.004E-01	1.054E 00	1.050E 00	-4.332E-03	-4.192E-03	2.0	1.0
56.000	2.9057	0.07926	1.1E 00	3.329E-01	1.058E 00	1.053E 00	-4.996E-03	-5.801E-03	2.0	1.0
57.000	2.9007	0.07902	1.1E 00	3.688E-01	1.062E 00	1.056E 00	-5.403E-03	-5.793E-03	2.0	1.0
58.000	2.8955	0.07876	1.1E 00	3.923E-01	1.066E 00	1.060E 00	-5.651E-03	-5.783E-03	2.0	1.0
59.000	2.8901	0.07848	1.1E 00	4.075E-01	1.070E 00	1.064E 00	-5.800E-03	-5.773E-03	2.0	1.0

60.000	2.8846	0.07820	1.1E 00	4.173E-01	1.074L 00	1.068E 00	-5.892E-03	-5.762E-03	1.0	1.0
61.000	2.8787	0.07791	1.1E 00	4.661E-01	1.079E 00	1.072E 00	-6.863E-03	-8.170L-03	2.0	1.0
62.000	2.8720	0.07758	1.1E 00	5.182E-01	1.084E 00	1.076E 00	-7.458E-03	-8.153E-03	2.0	1.0
63.000	2.8649	0.07723	1.1E 00	5.526E-01	1.090E 00	1.082E 00	-7.817E-03	-8.135E-03	2.0	1.0
64.000	2.8576	0.07686	1.1E 00	5.750E-01	1.095E 00	1.087E 00	-8.031E-03	-8.115E-03	2.0	1.0
65.000	2.8502	0.07648	1.1E 00	5.897E-01	1.101E 00	1.092E 00	-8.155E-03	-8.094E-03	2.0	1.0
66.000	2.8420	0.07606	1.2E 00	7.223E-01	1.108E 00	1.099E 00	-9.772E-03	-1.179E-02	3.0	1.0
67.000	2.8327	0.07559	1.2E 00	7.845E-01	1.116E 00	1.106E 00	-1.070E-02	-1.175E-02	3.0	1.0
68.000	2.8228	0.07508	1.2E 00	8.250E-01	1.125E 00	1.114E 00	-1.123E-02	-1.172E-02	3.0	1.0
69.000	2.8127	0.07456	1.2E 00	8.510E-01	1.133E 00	1.122E 00	-1.152E-02	-1.166E-02	3.0	1.0
70.000	2.8024	0.07403	1.2E 00	8.681E-01	1.141E 00	1.130E 00	-1.167E-02	-1.163E-02	3.0	1.0
71.000	2.7910	0.07346	1.2F 00	1.004E 00	1.151E 00	1.139E 00	-1.416F-02	-1.743E-02	3.0	1.0
72.000	2.7780	0.07285	1.2E 00	1.130E 00	1.164E 00	1.149C 00	-1.566F-02	-1.736E-02	3.0	1.0
73.000	2.7641	0.07217	1.2E 00	1.211E 00	1.176E 00	1.160E 00	-1.640F-02	-1.728E-02	3.0	1.0
74.000	2.7499	0.07146	1.2E 00	1.267F 00	1.189E 00	1.172E 00	-1.683E-02	-1.719E-02	3.0	1.0
75.000	2.7355	0.07074	1.2E 00	1.295E 00	1.201L 00	1.184E 00	-1.704E-02	-1.711E-02	3.0	1.0
76.000	2.7195	0.06999	1.3C 00	1.523E 00	1.217E 00	1.197E 00	-2.098E-02	-2.631E-02	3.0	1.0
77.000	2.7012	0.06913	1.3E 00	1.728E 00	1.236E 00	1.213E 00	-2.323E-02	-2.615E-02	3.0	1.0
78.000	2.6817	0.06819	1.3E 00	1.861E 00	1.255E 00	1.231E 00	-2.447F-02	-2.598E-02	3.0	1.0
79.000	2.6617	0.06722	1.3E 00	1.946C 00	1.274E 00	1.249E 00	-2.511E-02	-2.579E-02	3.0	1.0
80.000	2.6416	0.06626	1.3E 00	2.004E 00	1.293E 00	1.267E 00	-2.540E-02	-2.560E-02	3.0	1.0
81.000	2.6199	0.06525	1.3E 00	2.278E 00	1.316E 00	1.287E 00	-2.997E-02	-3.629E-02	3.0	1.0
82.000	2.5958	0.06416	1.4E 00	2.553E 00	1.344E 00	1.311E 00	-3.254E-02	-3.600E-02	3.0	1.0
83.000	2.5707	0.06299	1.4E 00	2.729L 00	1.371E 00	1.335E 00	-3.391E-02	-3.567E-02	3.0	1.0
84.000	2.5441	0.06174	1.4E 00	3.170E 00	1.405L 00	1.364E 00	-3.811F-02	-4.393E-02	3.0	1.0
85.000	2.5156	0.06041	1.4E 00	3.393E 00	1.439C 00	1.395E 00	-4.038E-02	-4.347E-02	3.0	1.0
86.000	2.4852	0.05903	1.5F 00	3.751E 00	1.477E 00	1.428E 00	-4.535E-02	-5.238E-02	3.0	1.0
87.000	2.4530	0.05760	1.5E 00	4.097E 00	1.519E 00	1.465E 00	-4.802E-02	-5.174E-02	3.0	1.0
88.000	2.4202	0.05614	1.5E 00	4.331E 00	1.561E 00	1.504E 00	-4.931E-02	-5.106E-02	3.0	1.0
89.000	2.3867	0.05465	1.5E 00	4.824F 00	1.610E 00	1.546E 00	-5.279E-02	-5.784E-02	3.0	1.0
90.000	2.3525	0.05314	1.6E 00	5.120E 00	1.659E 00	1.590E 00	-5.453E-02	-5.700E-02	3.0	1.0
91.000	2.3188	0.05165	1.6E 00	5.373E 00	1.709E 00	1.636E 00	-5.407E-02	-5.315E-02	3.0	1.0
91.200	2.3123	0.01016	1.6E C0	5.514E 00	1.739E 00	1.646E 00	-5.391F-02	-5.222E-02	2.0	1.0
91.400	G.01010	0.01004	1.6E 00	5.558E 00	1.749E 00	1.655E 00	-5.376E-02	-5.203E-02	2.0	1.0
91.600	2.2993	0.01004	1.6E 00	5.600E 00	1.759E 00	1.665E 00	-5.361E-02	-5.185E-02	2.0	1.0
91.800	2.2929	0.00998	1.6E 00	5.640E 00	1.769E 00	1.674E 00	-5.345E-02	-5.168E-02	2.0	1.0
92.000	2.2865	0.00993	1.6E 00	5.678E 00	1.779L 00	1.683E 00	-5.329E-02	-5.150E-02	2.0	1.0
92.200	2.2802	0.00987	1.6E 00	5.715E 00	1.790E 00	1.693L 00	-5.313E-02	-5.132E-02	2.0	1.0
92.400	2.2739	0.00982	1.6E 00	5.751E 00	1.800E 00	1.702E 00	-5.297E-02	-5.115E-02	2.0	1.0
92.600	2.2677	0.00976	1.6E 00	5.785E 00	1.810C 00	1.712E 00	-5.281E-02	-5.097E-02	2.0	1.0
92.800	2.2618	0.00971	1.6E 00	5.989E 00	1.818E 00	1.721E 00	-4.982E-02	-1.894E-02	2.0	1.0
93.000	2.2561	0.00966	1.6E 00	5.878F 00	1.826E 00	1.730E 00	-4.711F-02	-1.876E-02	2.0	1.0
93.200	2.2504	0.00961	1.6E 00	5.783F 00	1.834E 00	1.739E 00	-4.464E-02	-1.859E-02	2.0	1.0
93.400	2.2459	0.00956	1.6E 00	5.703E 00	1.842E 00	1.746E 00	-4.239E-02	-1.843E-02	2.0	1.0
93.600	2.2412	0.00951	1.6E 00	5.635E 00	1.850E 00	1.757E 00	-4.034E-02	-1.829L-02	2.0	1.0
93.800	2.2368	0.00946	1.6E 00	6.109E 00	1.857C 00	1.766E 00	-3.573E-02	1.262L-02	3.0	1.0
94.000	2.2330	0.00942	1.6E 00	5.918E 00	1.864E 00	1.774E 00	-3.157E-02	1.278E-02	3.0	1.0
94.200	2.2297	0.00937	1.6E 00	5.753E 00	1.871E 00	1.782E 00	-2.779E-02	1.292E-02	3.0	1.0
94.400	2.2269	0.00933	1.6E 00	6.106E 00	1.877E 00	1.791E 00	-2.252E-02	3.367E-02	3.0	1.0
94.600	2.2247	0.00929	1.6E 00	6.386E 00	1.883E 00	1.799E 00	-1.621E-02	5.060E-02	3.0	1.0
94.800	2.2234	0.00925	1.7E 00	6.880E 00	1.890E 00	1.807E 00	-8.400E-03	7.294E-02	3.0	1.0
95.000	2.2229	0.00920	1.7E 00	7.399E 00	1.896E 00	1.815E 00	8.642E-04	9.620E-02	3.0	1.0
95.200	2.2235	0.00917	1.7E 00	6.971E 00	1.902E 00	1.822E 00	9.152E-03	9.623E-02	2.0	1.0
95.400	2.2251	0.00913	1.7E 00	8.224E 00	1.908E 00	1.830E 00	2.056E-02	1.355E-01	2.0	1.0
95.600	2.2279	0.00909	1.7E 00	7.702E 00	1.915E 00	1.837E 00	3.074E-02	1.354E-01	3.0	1.0
95.800	2.2321	0.00905	1.9E 00	1.014E 01	1.921E 00	1.845E 00	4.679E-02	1.996E-01	3.0	1.0
96.000	2.2379	0.00901	1.8E 00	9.336E 00	1.928E 00	1.853E 00	6.088E-02	1.992E-01	3.0	1.0
96.200	2.2452	0.00898	1.8E 00	8.633E 00	1.935E 00	1.860E 00	7.331E-02	1.986E-01	3.0	1.0
96.400	2.2543	0.00894	2.0E 00	1.344E 01	1.943E 00	1.869E 00	9.760E-02	3.112E-01	3.0	1.0
96.600	2.2659	0.00890	2.0E 00	1.221E 01	1.950E 00	1.877E 00	1.185E-01	3.098E-01	3.0	1.0
96.800	2.2794	0.00886	1.9E 00	1.109E 01	1.958E 00	1.885E 00	1.367E-01	3.081E-01	3.0	1.0
97.000	2.2948	0.00883	1.9E 00	1.012E 01	1.966E 00	1.892E 00	1.524E-01	3.061E-01	3.0	1.0
97.200	2.3115	0.00879	1.8E 00	9.266E 00	1.973E 00	1.899E 00	1.660E-01	3.039E-01	3.0	1.0
97.400	2.3308	0.00875	2.2E 00	1.782E 01	1.982E 00	1.909E 00	2.014E-01	4.893E-01	3.0	1.0
97.600	2.3535	0.00871	2.1E 00	1.581E 01	1.991E 00	1.917E 00	2.311E-01	4.850E-01	3.0	1.0
97.800	2.3788	0.00867	2.1E 00	1.406E 01	2.000E 00	1.925E 00	2.562E-01	4.800E-01	3.0	1.0

98.000	2.4065	0.00864	2.0E 00	1.255E 01	2.000E 00	1.933E 00	2.773E-01	4.744E-01	3.0	1.0
98.200	2.4360	0.00860	1.9E 00	1.122E 01	2.017E 00	1.941E 00	2.951E-01	4.683E-01	3.0	1.0
98.400	2.4684	0.00856	2.3E 00	2.021E 01	2.030E 00	1.951E 00	3.363E-01	6.635E-01	3.0	1.0
98.600	2.5046	0.00852	2.2E 00	1.769E 01	2.042E 00	1.961E 00	3.701E-01	6.544E-01	3.0	1.0
98.800	2.5436	0.00848	2.1E 00	1.551E 01	2.054E 00	1.970E 00	3.980E-01	6.442E-01	3.0	1.0
99.000	2.5851	0.00844	2.0E 00	1.364E 01	2.066E 00	1.980E 00	4.208E-01	6.331E-01	3.0	1.0
99.200	2.6284	0.00840	2.0E 00	1.202E 01	2.077E 00	1.989E 00	4.394E-01	6.214E-01	3.0	1.0
99.400	2.6735	0.00836	2.0E 00	1.301E 01	2.102E 00	1.999E 00	4.597E-01	6.530E-01	3.0	1.0
99.600	2.7203	0.00831	2.0E 00	1.234E 01	2.122E 00	2.011E 00	4.776E-01	6.530E-01	3.0	1.0
99.800	2.7691	0.00826	2.2E 00	1.690E 01	2.144E 00	2.024E 00	5.067E-01	7.633E-01	3.0	1.0
100.000	2.8202	0.00820	2.1E 00	1.574E 01	2.166E 00	2.038E 00	5.320E-01	7.633E-01	3.0	1.0
100.200	2.8733	0.00815	2.1E 00	1.481E 01	2.188E 00	2.053E 00	5.543E-01	7.633E-01	3.0	1.0
100.400	2.9288	0.00809	2.3E 00	1.961E 01	2.212E 00	2.069E 00	5.884E-01	8.843E-01	3.0	1.0
100.600	2.9869	0.00802	2.2E 00	1.817E 01	2.235E 00	2.086E 00	6.189E-01	8.843E-01	3.0	1.0
100.800	3.0506	0.00820	3.2E 00	4.402E 01	1.342E 00	1.979E 00	6.749E-01	1.007E 00	3.0	1.0
101.000	3.1198	0.00831	2.6E 00	2.829E 01	2.408E 00	2.032E 00	7.138E-01	9.915E-01	3.0	1.0
101.200	3.1907	0.00811	2.5E 00	2.500E 01	2.425E 00	2.077E 00	7.431E-01	9.699E-01	3.0	1.0
101.400	3.2619	0.00795	2.3E 00	2.042E 01	2.455E 00	2.116E 00	7.490E-01	8.002E-01	2.0	1.0
101.600	3.3323	0.00781	2.3E 00	1.970E 01	2.481E 00	2.153E 00	7.542E-01	8.002E-01	2.0	1.0
101.800	3.4024	0.00768	2.3E 00	2.010E 01	2.508E 00	2.189E 00	7.668E-01	8.799E-01	2.0	1.0

WATRAT= 5.97216499E-04 AVS= 6.74969578E 00
XP= 1.01785773E 02 YP= 3.39743179E 00 WATER 0.008786

-0. 4.00000 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XMT	DIRECT
1.000	3.9997	0.08342	1.1E 00	2.134E-01	9.963E-01	9.980E-01	-5.649E-04	-7.837E-04	1.0	1.0
2.000	3.9990	0.08353	1.0E 00	7.634E-02	9.967E-01	9.973E-01	-8.250E-04	-7.836E-04	1.0	1.0
3.000	3.9981	0.08356	1.0E 00	1.454E-02	9.971E-01	9.972E-01	-9.306E-04	-7.835E-04	1.0	1.0
4.000	3.9972	0.08356	1.0E 00	1.711E-02	9.975E-01	9.973E-01	-9.306E-04	-7.833E-04	1.0	1.0
5.000	3.9963	0.08354	1.0E 00	3.062E-02	9.979E-01	9.976E-01	-9.306E-04	-7.831E-04	1.0	1.0
6.000	3.9953	0.08352	1.0E 00	3.764E-02	9.983E-01	9.979E-01	-9.735E-04	-8.265E-04	1.0	1.0
7.000	3.9943	0.08349	1.0E 00	4.237E-02	9.987E-01	9.983E-01	-9.735E-04	-8.263E-04	1.0	1.0
8.000	3.9934	0.08346	1.0E 00	4.444E-02	9.991E-01	9.987E-01	-9.735E-04	-8.261E-04	1.0	1.0
9.000	3.9924	0.08342	1.0E 00	4.545E-02	9.995E-01	9.991E-01	-9.735E-04	-8.259E-04	1.0	1.0
10.000	3.9914	0.08339	1.0E 00	4.595E-02	9.999E-01	9.995E-01	-9.735E-04	-8.257E-04	1.0	1.0
11.000	3.9904	0.08336	1.0E 00	4.678E-02	1.000E 00	9.999E-01	-1.059E-03	-9.120E-04	1.0	1.0
12.000	3.9893	0.08332	1.0E 00	4.930E-02	1.001E 00	1.000E 00	-1.059E-03	-9.118E-04	1.0	1.0
13.000	3.9883	0.08328	1.0E 00	5.023E-02	1.001E 00	1.001E 00	-1.059E-03	-9.115E-04	1.0	1.0
14.000	3.9872	0.08324	1.0E 00	5.069E-02	1.002E 00	1.001E 00	-1.059E-03	-9.113E-04	1.0	1.0
15.000	3.9862	0.08321	1.0E 00	5.092E-02	1.002E 00	1.002E 00	-1.059E-03	-9.110E-04	1.0	1.0
16.000	3.9850	0.08317	1.0E 00	5.228E-02	1.003E 00	1.002E 00	-1.194E-03	-1.047E-03	1.0	1.0
17.000	3.9839	0.08313	1.0E 00	5.583E-02	1.003E 00	1.003E 00	-1.194E-03	-1.047E-03	1.0	1.0
18.000	3.9827	0.08309	1.0E 00	5.723E-02	1.004E 00	1.003E 00	-1.194E-03	-1.047E-03	1.0	1.0
19.000	3.9815	0.08304	1.0E 00	5.792E-02	1.004E 00	1.004E 00	-1.194E-03	-1.046E-03	1.0	1.0
20.000	3.9803	0.08300	1.0E 00	5.826E-02	1.005E 00	1.004E 00	-1.194E-03	-1.046E-03	1.0	1.0
21.000	3.9790	0.08296	1.0E 00	6.070E-02	1.005E 00	1.005E 00	-1.365E-03	-1.243E-03	1.0	1.0
22.000	3.9776	0.08291	1.0E 00	6.524E-02	1.006E 00	1.005E 00	-1.389E-03	-1.243E-03	1.0	1.0
23.000	3.9763	0.08286	1.0E 00	6.743E-02	1.007E 00	1.006E 00	-1.389E-03	-1.243E-03	1.0	1.0
24.000	3.9749	0.08281	1.0E 00	6.842E-02	1.007E 00	1.007E 00	-1.389E-03	-1.242E-03	1.0	1.0
25.000	3.9735	0.08276	1.0E 00	6.892E-02	1.008E 00	1.007E 00	-1.389E-03	-1.242E-03	1.0	1.0
26.000	3.9720	0.08271	1.0E 00	7.295E-02	1.009E 00	1.008E 00	-1.600E-03	-1.518E-03	1.0	1.0
27.000	3.9704	0.08265	1.0E 00	7.866E-02	1.009E 00	1.009E 00	-1.663E-03	-1.517E-03	1.0	1.0
28.000	3.9688	0.08259	1.0E 00	8.180E-02	1.010E 00	1.009E 00	-1.663E-03	-1.517E-03	1.0	1.0
29.000	3.9671	0.08253	1.0E 00	8.318E-02	1.011E 00	1.010E 00	-1.663E-03	-1.516E-03	1.0	1.0
30.000	3.9655	0.08247	1.0E 00	8.387E-02	1.012E 00	1.011E 00	-1.663E-03	-1.515E-03	1.0	1.0
31.000	3.9637	0.08241	1.0E 00	9.019E-02	1.012E 00	1.012E 00	-1.927E-03	-1.896E-03	1.0	1.0
32.000	3.9617	0.08234	1.0E 00	9.742E-02	1.013E 00	1.013E 00	-2.040E-03	-1.895E-03	1.0	1.0
33.000	3.9597	0.08226	1.0E 00	1.017E-01	1.014E 00	1.013E 00	-2.040E-03	-1.894E-03	1.0	1.0
34.000	3.9577	0.08219	1.0E 00	1.036E-01	1.015E 00	1.014E 00	-2.040E-03	-1.894E-03	1.0	1.0
35.000	3.9557	0.08211	1.0E 00	1.045E-01	1.016E 00	1.015E 00	-2.040E-03	-1.893E-03	1.0	1.0
36.000	3.9535	0.08203	1.1E 00	1.142E-01	1.017E 00	1.016E 00	-2.378E-03	-2.417E-03	1.0	1.0
37.000	3.9511	0.08195	1.1E 00	1.294E-01	1.019E 00	1.017E 00	-2.542E-03	-2.416E-03	1.0	1.0
38.000	3.9486	0.08185	1.1E 00	1.290E-01	1.020E 00	1.019E 00	-2.559E-03	-2.413E-03	1.0	1.0

39.000	3.9461	0.08176	1.1E 00	1.317E-01	1.021E 00	1.020E 00	-2.559E-03	-2.413E-03	1.0	1.0
40.000	3.9436	0.08166	1.1E 00	1.330E-01	1.022E 00	1.021E 00	-2.559E-03	-2.412E-03	1.0	1.0
41.000	3.9409	0.08156	1.1E 00	1.475E-01	1.024E 00	1.022E 00	-3.001E-03	-3.140E-03	1.0	1.0
42.000	3.9378	0.08145	1.1E 00	1.596E-01	1.025E 00	1.024E 00	-3.215E-03	-3.135E-03	1.0	1.0
43.000	3.9346	0.08133	1.1E 00	1.669E-01	1.027E 00	1.025E 00	-3.278E-03	-3.135E-03	1.0	1.0
44.000	3.9315	0.08121	1.1E 00	1.707E-01	1.028E 00	1.027E 00	-3.278F-03	-3.133E-03	1.0	1.0
45.000	3.9283	0.08109	1.1E 00	1.725E-01	1.030E 00	1.028E 00	-3.278E-03	-3.130E-03	1.0	1.0
46.000	3.9248	0.08096	1.1E 00	1.943E-01	1.032E 00	1.030E 00	-3.872E-03	-4.153E-03	1.0	1.0
47.000	3.9209	0.08082	1.1E 00	2.104E-01	1.034E 00	1.032E 00	-4.158E-03	-4.149E-03	1.0	1.0
48.000	3.9168	0.08066	1.1E 00	2.203E-01	1.036E 00	1.034E 00	-4.267F-03	-4.145E-03	1.0	1.0
49.000	3.9127	0.08051	1.1E 00	2.255E-01	1.038E 00	1.036E 00	-4.287E-03	-4.141E-03	1.0	1.0
50.000	3.9085	0.08037	1.1E 00	2.694E-01	1.040E 00	1.038E 00	-4.287E-03	-4.137E-03	2.0	2.0
51.000	3.9041	0.08023	1.1E 00	2.144E-01	1.043E 00	1.040E 00	-4.890E-03	-5.599E-03	2.0	2.0
52.000	3.8992	0.08007	1.1E 00	2.490E-01	1.046E 00	1.042E 00	-5.262E-03	-5.592E-03	2.0	2.0
53.000	3.8941	0.07989	1.1E 00	2.721E-01	1.048E 00	1.044E 00	-5.490E-03	-5.586E-03	2.0	2.0
54.000	3.8888	0.07970	1.1E 00	2.868E-01	1.051E 00	1.047E 00	-5.628E-03	-5.578E-03	2.0	2.0
55.000	3.8834	0.07949	1.1E 00	2.962E-01	1.054E 00	1.050E 00	-5.711E-03	-5.571E-03	2.0	2.0
56.000	3.8775	0.07928	1.1E 00	3.337E-01	1.057E 00	1.053E 00	-6.575E-03	-7.706E-03	2.0	2.0
57.000	3.8710	0.07904	1.1E 00	3.664E-01	1.061E 00	1.056E 00	-7.106F-03	-7.694E-03	2.0	2.0
58.000	3.8642	0.07878	1.1E 00	3.889E-01	1.065E 00	1.060E 00	-7.428E-03	-7.681E-03	2.0	2.0
59.000	3.8571	0.07851	1.1E 00	4.038E-01	1.069E 00	1.063E 00	-7.622F-03	-7.668E-03	2.0	2.0
60.000	3.8499	0.07824	1.1E 00	4.135E-01	1.073E 00	1.067E 00	-7.736E-03	-7.654E-03	2.0	2.0
61.000	3.8420	0.07794	1.1E 00	4.697E-01	1.078E 00	1.071C 00	-9.026F-03	-1.085E-02	2.0	2.0
62.000	3.8332	0.07762	1.1E 00	5.156E-01	1.084E 00	1.076E 00	-9.815F-03	-1.082E-02	2.0	2.0
63.000	3.8239	0.07727	1.1E 00	5.479E-01	1.089F 00	1.081E 00	-1.029F-02	-1.080E-02	2.0	2.0
64.000	3.8143	0.07690	1.1E 00	5.694E-01	1.095E 00	1.086E 00	-1.058E-02	-1.077E-02	2.0	2.0
65.000	3.8045	0.07653	1.1E 00	5.834E-01	1.100E 00	1.092E 00	-1.074C-02	-1.075E-02	2.0	2.0
66.000	3.7937	0.07611	1.2E 00	7.296F-01	1.107E 00	1.098E 00	-1.282F-02	-1.564E-02	3.0	3.0
67.000	3.7815	0.07564	1.2E 00	7.798E-01	1.115E 00	1.105E 00	-1.412E-02	-1.560E-02	3.0	3.0
68.000	3.7684	0.07514	1.2E 00	8.167E-01	1.124E 00	1.113E 00	-1.482F-02	-1.555E-02	3.0	3.0
69.000	3.7550	0.07462	1.2E 00	8.414E-01	1.132E 00	1.121C 00	-1.520E-02	-1.550E-02	3.0	3.0
70.000	3.7414	0.07410	1.2E 00	8.582E-01	1.140E 00	1.129E 00	-1.541E-02	-1.544E-02	3.0	3.0
71.000	3.7263	0.07355	1.2E 00	1.018E 00	1.150E 00	1.137E 00	-1.872E-02	-2.312E-02	3.0	3.0
72.000	3.7091	0.07293	1.2E 00	1.122E 00	1.162C 00	1.14AE 00	-2.061E-02	-2.303E-02	3.0	3.0
73.000	3.6907	0.07226	1.2E 00	1.197E 00	1.174E 00	1.159E 00	-2.160F-02	-2.293E-02	3.0	3.0
74.000	3.6719	0.07156	1.2E 00	1.246E 00	1.187E 00	1.170E 00	-2.225E-02	-2.282E-02	3.0	3.0
75.000	3.6529	0.07085	1.2E 00	1.279E 00	1.199E 00	1.182E 00	-2.253E-02	-2.270E-02	3.0	3.0
76.000	3.6317	0.07010	1.3E 00	1.547E 00	1.214E 00	1.196E 00	-2.778E-02	-3.476E-02	3.0	3.0
77.000	3.6074	0.06925	1.3E 00	1.716E 00	1.233E 00	1.211E 00	-3.076E-02	-3.471E-02	3.0	3.0
78.000	3.5815	0.06832	1.3E 00	1.838E 00	1.252E 00	1.228E 00	-3.240E-02	-3.448E-02	3.0	3.0
79.000	3.5549	0.06736	1.3E 00	1.920E 00	1.271E 00	1.246E 00	-3.326F-02	-3.424E-02	3.0	3.0
80.000	3.5283	0.06640	1.3E 00	1.977E 00	1.290E 00	1.264E 00	-3.365E-02	-3.399E-02	3.0	3.0
81.000	3.4995	0.06541	1.3E 00	2.290E 00	1.313E 00	1.284E 00	-3.975E-02	-4.825E-02	3.0	3.0
82.000	3.4675	0.06432	1.4E 00	2.531E 00	1.340E 00	1.307E 00	-4.316E-02	-4.786E-02	3.0	3.0
83.000	3.4340	0.06316	1.4E 00	2.698E 00	1.367E 00	1.332E 00	-4.501E-02	-4.743E-02	3.0	3.0
84.000	3.3985	0.06191	1.4E 00	3.166E 00	1.401E 00	1.360E 00	-5.067E-02	-5.855E-02	3.0	3.0
85.000	3.3605	0.06059	1.4E 00	3.370E 00	1.435F 00	1.391E 00	-5.373E-02	-5.795E-02	3.0	3.0
86.000	3.3200	0.05921	1.5E 00	3.764E 00	1.473E 00	1.424E 00	-6.053E-02	-7.018E-02	3.0	3.0
87.000	3.2767	0.05776	1.5E 00	4.100F 00	1.515E 00	1.461E 00	-6.417E-02	-6.932E-02	3.0	3.0
88.000	3.2328	0.05630	1.5E 00	4.335E 00	1.557E 00	1.500E 00	-6.595E-02	-6.841E-02	3.0	3.0
89.000	3.1878	0.05478	1.5E 00	4.916E 00	1.608E 00	1.543E 00	-7.104F-02	-7.846E-02	3.0	3.0
90.000	3.1416	0.05322	1.6E 00	5.238E 00	1.658E 00	1.589E 00	-7.359E-02	-7.727E-02	3.0	3.0
91.000	3.0957	0.05166	1.6E 00	5.622E 00	1.713E 00	1.637E 00	-7.446E-02	-7.568E-02	3.0	3.0
91.200	3.0866	0.01015	1.6E 00	5.897E 00	1.747E 00	1.647E 00	-7.447E-02	-7.419E-02	2.0	2.0
91.400	3.0776	0.01009	1.6E 00	5.972E 00	1.759E 00	1.658E 00	-7.444E-02	-7.389E-02	2.0	2.0
91.600	3.0686	0.01002	1.6E 00	6.042E 00	1.770E 00	1.668E 00	-7.438E-02	-7.360E-02	2.0	2.0
91.800	3.0598	0.00996	1.6E 00	6.107E 00	1.782E 00	1.678E 00	-7.429E-02	-7.331E-02	2.0	2.0
92.000	3.0509	0.00990	1.6E 00	6.169E 00	1.793E 00	1.689E 00	-7.420F-02	-7.302E-02	2.0	2.0
92.200	3.0422	0.00984	1.6E 00	6.227E 00	1.805E 00	1.699E 00	-7.408E-02	-7.273E-02	2.0	2.0
92.400	3.0335	0.00978	1.6E 00	6.282C 00	1.816E 00	1.710E 00	-7.395E-02	-7.245E-02	2.0	2.0
92.600	3.0249	0.00972	1.6E 00	6.334E 00	1.828E 00	1.720E 00	-7.380E-02	-7.216E-02	2.0	2.0
92.800	3.0165	0.00966	1.7E 00	6.616E 00	1.839E 00	1.731C 00	-7.093E-02	-4.184E-02	2.0	2.0
93.000	3.0085	0.00960	1.7E 00	6.631E 00	1.851E 00	1.742C 00	-6.830E-02	-4.150E-02	2.0	2.0
93.200	3.0008	0.00954	1.7E 00	6.651E 00	1.863E 00	1.753E 00	-6.584E-02	-4.117E-02	2.0	2.0
93.400	2.9934	0.00948	1.7E 00	6.674E 00	1.874C 00	1.764E 00	-6.368E-02	-4.086E-02	2.0	2.0
93.600	2.9863	0.00943	1.5E 00	4.838E 00	1.850E 00	1.771C 00	-6.180E-02	-4.063E-02	1.6	1.6

93.800	2.9796	0.00939	1.6E 00	5.335E 00	1.857E 00	1.778E 00	-5.782E-02	-1.424E-02	3.0	1.0
94.000	2.9733	0.00936	1.6E 00	5.227E 00	1.864E 00	1.785E 00	-5.418E-02	-1.400E-02	3.0	1.0
94.200	2.9674	0.00932	1.6E 00	5.125E 00	1.871E 00	1.792E 00	-5.087E-02	-1.377E-02	2.0	1.0
94.400	2.9620	0.00928	1.6E 00	5.449E 00	1.877E 00	1.799E 00	-4.640E-02	2.891E-03	3.0	1.0
94.600	2.9572	0.00925	1.6E 00	5.680E 00	1.883E 00	1.806E 00	-4.116E-02	1.622E-02	3.0	1.0
94.800	2.9530	0.00921	1.6E 00	6.044E 00	1.890E 00	1.813E 00	-3.487E-02	3.325E-02	3.0	1.0
95.000	2.9495	0.00917	1.6E 00	6.423E 00	1.896E 00	1.820E 00	-2.756E-02	5.044E-02	3.0	1.0
95.200	2.9469	0.00914	1.6E 00	6.122E 00	1.902E 00	1.827E 00	-2.096E-02	5.086E-02	3.0	1.0
95.400	2.9450	0.00910	1.7E 00	6.985E 00	1.908E 00	1.834E 00	-1.223E-02	7.977E-02	3.0	1.0
95.600	2.9441	0.00907	1.7E 00	6.609E 00	1.915E 00	1.841E 00	-4.385E-03	7.991E-02	3.0	1.0
95.800	2.9443	0.00903	1.7E 00	8.250E 00	1.921E 00	1.848E 00	7.313E-03	1.264E-01	2.0	1.0
96.000	2.9457	0.00900	1.7E 00	7.714E 00	1.928E 00	1.855E 00	1.774E-02	1.264E-01	2.0	1.0
96.200	2.9481	0.00897	1.7E 00	7.265E 00	1.935E 00	1.862E 00	2.710E-02	1.262E-01	3.0	1.0
96.400	2.9519	0.00893	1.8E 00	1.063E 01	1.943E 00	1.870E 00	4.426E-02	2.075E-01	3.0	1.0
96.600	2.9574	0.00890	1.8E 00	9.779E 00	1.950E 00	1.877E 00	5.931E-02	2.070E-01	3.0	1.0
96.800	2.9644	0.00886	1.8E 00	9.036E 00	1.958E 00	1.885E 00	7.256E-02	2.061E-01	3.0	1.0
97.000	2.9727	0.00883	1.8E 00	8.387E 00	1.966E 00	1.892E 00	8.424E-02	2.051E-01	3.0	1.0
97.200	2.9822	0.00879	1.7E 00	7.822E 00	1.973E 00	1.899E 00	9.456E-02	2.039E-01	3.0	1.0
97.400	2.9934	0.00876	2.0E 00	1.393E 01	1.982E 00	1.907E 00	1.194E-01	3.404E-01	3.0	1.0
97.600	3.0070	0.00872	2.0E 00	1.257E 01	1.991E 00	1.915E 00	1.408E-01	3.379E-01	3.0	1.0
97.800	3.0227	0.00864	2.2E 00	1.682E 01	2.162E 00	1.942E 00	1.614E-01	3.354E-01	3.0	1.0
98.000	3.0401	0.00853	2.1E 00	1.563E 01	2.177E 00	1.966E 00	1.790E-01	3.331E-01	3.0	1.0
98.200	3.0590	0.00843	2.1E 00	1.463E 01	2.192E 00	1.988E 00	1.940E-01	3.304E-01	3.0	1.0
98.400	3.0800	0.00833	2.3E 00	1.981E 01	2.208E 00	2.012E 00	2.263E-01	4.926E-01	3.0	1.0
98.600	3.1037	0.00824	2.2E 00	1.804E 01	2.223E 00	2.034E 00	2.535E-01	4.885E-01	3.0	1.0
98.800	3.1296	0.00815	2.2E 00	1.655E 01	2.239E 00	2.054E 00	2.765E-01	4.839E-01	3.0	1.0
99.000	3.1574	0.00807	2.1E 00	1.529E 01	2.254E 00	2.074E 00	2.960E-01	4.789E-01	3.0	1.0
99.200	3.1866	0.00800	2.1E 00	1.424E 01	2.270E 00	2.092E 00	3.126E-01	4.735E-01	3.0	1.0
99.400	3.2178	0.00793	2.3E 00	1.901E 01	2.285E 00	2.112E 00	3.429E-01	6.102E-01	3.0	1.0
99.600	3.2513	0.00786	2.2E 00	1.725E 01	2.300E 00	2.130E 00	3.683E-01	6.031E-01	3.0	1.0
99.800	3.2873	0.00779	2.3E 00	2.029E 01	2.315E 00	2.149E 00	4.022E-01	6.989E-01	3.0	1.0
100.000	3.3259	0.00772	2.2E 00	1.824E 01	2.330E 00	2.167E 00	4.303E-01	6.896E-01	3.0	1.0
100.200	3.3666	0.00766	2.2E 00	1.650E 01	2.345E 00	2.183E 00	4.538E-01	6.797E-01	3.0	1.0
100.400	3.4094	0.00760	2.3E 00	1.987E 01	2.360E 00	2.201E 00	4.861E-01	7.791E-01	3.0	1.0
100.600	3.4546	0.00754	2.2E 00	1.777E 01	2.375E 00	2.218E 00	5.128E-01	7.668E-01	3.0	1.0
100.800	3.5023	0.00749	2.4E 00	2.111E 01	2.392E 00	2.235E 00	5.480E-01	8.654E-01	3.0	1.0
101.000	3.5524	0.00743	2.3E 00	1.876E 01	2.408E 00	2.251E 00	5.768E-01	8.505E-01	3.0	1.0
101.200	3.6045	0.00738	2.2E 00	1.676E 01	2.425E 00	2.267E 00	6.004E-01	8.349E-01	3.0	1.0
101.400	3.6581	0.00732	2.1E 00	1.479E 01	2.455E 00	2.284E 00	6.177E-01	8.002E-01	2.0	1.0
101.600	3.7126	0.00727	2.1E 00	1.451E 01	2.481E 00	2.301E 00	6.333E-01	8.002E-01	2.0	1.0
101.800	3.7684	0.00722	2.2E 00	1.737E 01	2.508E 00	2.319E 00	6.556E-01	8.799E-01	3.0	1.0
102.000	3.8258	0.00716	2.2E 00	1.817E 01	2.534E 00	2.339E 00	6.792E-01	9.151E-01	3.0	1.0
102.200	3.8847	0.00709	2.3E 00	1.943E 01	2.561E 00	2.359E 00	7.054E-01	9.631E-01	3.0	1.0
102.400	3.9454	0.00703	2.3E 00	2.063E 01	2.589E 00	2.381E 00	7.341E-01	1.012E 00	3.0	1.0
102.600	4.0080	0.00697	2.4E 00	2.122E 01	2.616E 00	2.403E 00	7.636E-01	1.050E 00	3.0	1.0
102.800	4.0727	0.00686	2.6E 00	3.296E 01	2.882E 00	2.655E 00	8.059E-01	1.152E 00	3.0	1.0
103.000	4.1391	0.00673	2.7E 00	2.975E 01	2.902E 00	2.501E 00	8.395E-01	1.134E 00	3.0	1.0
103.200	4.2069	0.00661	2.7E 00	2.873E 01	2.923E 00	2.543E 00	8.723E-01	1.169E 00	3.0	1.0
103.400	4.2762	0.00650	2.6E 00	2.792E 01	2.953E 00	2.583E 00	9.031E-01	1.191E 00	3.0	1.0
103.600	4.3466	0.00641	2.5E 00	2.577E 01	2.980E 00	2.619E 00	9.280E-01	1.172E 00	2.0	1.0
103.800	4.4166	0.00632	2.4E 00	2.197E 01	3.008E 00	2.653E 00	9.175E-01	8.066E-01	2.0	1.0
104.000	4.4850	0.00624	2.4E 00	2.155E 01	3.037E 00	2.685E 00	9.081E-01	8.066E-01	2.0	1.0
104.200	4.5520	0.00617	2.4E 00	2.121E 01	3.065E 00	2.717E 00	8.997E-01	8.066E-01	2.0	1.0
104.400	4.6180	0.00610	2.3E 00	2.062E 01	3.092E 00	2.747E 00	9.051E-01	9.662E-01	2.0	1.0
104.600	4.6837	0.00603	2.3E 00	2.044E 01	3.120E 00	2.777E 00	9.100E-01	9.662E-01	2.0	1.0

WATRAT= 5.29411787E-04 AVS= 9.48754835E 00
XP= 1.04411486E 02 VP= 4.62182856E 00 WATER 0.012300

-0. 5.00000 1.00000 -0.

XMN1	YMN1	OTM	CK	REN	VOX	VOXWN1	VDYWN1	VOY	XKT	DIRECT
1.000	4.9997	0.08342	1.1E 00	2.162E-01	9.963E-01	9.980E-01	-6.685E-04	-9.772E-04	1.0	1.0
2.000	4.9988	0.08353	1.0E 00	7.747E-02	9.967E-01	9.973E-01	-9.750E-04	-9.771E-04	1.0	1.0
3.000	4.9978	0.08356	1.0E 00	1.451E-02	9.971E-01	9.972E-01	-1.123E-03	-9.770E-04	1.0	1.0

4.000	4.9967	0.08356	1.0E 00	1.693E-02	9.975E-01	9.973E-01	-1.124E-03	-9.768E-04	1.0	1.0
5.000	4.9955	0.08354	1.0E 00	3.045E-02	9.979E-01	9.976E-01	-1.124E-03	-9.765E-04	1.0	1.0
6.000	4.9944	0.08352	1.0E 00	3.736E-02	9.983E-01	9.979E-01	-1.177E-03	-1.030E-03	1.0	1.0
7.000	4.9932	0.08349	1.0E 00	4.215E-02	9.987E-01	9.983E-01	-1.177E-03	-1.030E-03	1.0	1.0
8.000	4.9920	0.08346	1.0E 00	4.421E-02	9.991E-01	9.987E-01	-1.177E-03	-1.030E-03	1.0	1.0
9.000	4.9908	0.08343	1.0E 00	4.521E-02	9.995E-01	9.991E-01	-1.177E-03	-1.030E-03	1.0	1.0
10.000	4.9897	0.08339	1.0E 00	4.570E-02	9.999E-01	9.995E-01	-1.177E-03	-1.029E-03	1.0	1.0
11.000	4.9884	0.08336	1.0E 00	4.644E-02	1.000E 00	9.999E-01	-1.284E-03	-1.137E-03	1.0	1.0
12.000	4.9872	0.08332	1.0E 00	4.902E-02	1.001E 00	1.000E 00	-1.284E-03	-1.137E-03	1.0	1.0
13.000	4.9859	0.08328	1.0E 00	4.994E-02	1.001E 00	1.001E 00	-1.284E-03	-1.136E-03	1.0	1.0
14.000	4.9846	0.08325	1.0E 00	5.039E-02	1.002E 00	1.001E 00	-1.284E-03	-1.136E-03	1.0	1.0
15.000	4.9833	0.08321	1.0E 00	5.063E-02	1.002E 00	1.002E 00	-1.284E-03	-1.136E-03	1.0	1.0
16.000	4.9819	0.08317	1.0E 00	5.198E-02	1.003E 00	1.002E 00	-1.441E-03	-1.305E-03	1.0	1.0
17.000	4.9805	0.08313	1.0E 00	5.540E-02	1.003E 00	1.003E 00	-1.451E-03	-1.305E-03	1.0	1.0
18.000	4.9791	0.08309	1.0E 00	5.687E-02	1.004E 00	1.003E 00	-1.451E-03	-1.305E-03	1.0	1.0
19.000	4.9776	0.08305	1.0E 00	5.755E-02	1.004E 00	1.004E 00	-1.451E-03	-1.304E-03	1.0	1.0
20.000	4.9762	0.08301	1.0E 00	5.790E-02	1.005E 00	1.004E 00	-1.451E-03	-1.304E-03	1.0	1.0
21.000	4.9746	0.08296	1.0E 00	6.049E-02	1.005E 00	1.005E 00	-1.647E-03	-1.549E-03	1.0	1.0
22.000	4.9730	0.08291	1.0E 00	6.468E-02	1.006E 00	1.005E 00	-1.695E-03	-1.549E-03	1.0	1.0
23.000	4.9713	0.08287	1.0E 00	6.698E-02	1.007E 00	1.006E 00	-1.695E-03	-1.548E-03	1.0	1.0
24.000	4.9696	0.08282	1.0E 00	6.796E-02	1.007E 00	1.007E 00	-1.695E-03	-1.548E-03	1.0	1.0
25.000	4.9679	0.08277	1.0E 00	6.845E-02	1.008E 00	1.007E 00	-1.695E-03	-1.547E-03	1.0	1.0
26.000	4.9661	0.08271	1.0E 00	7.292E-02	1.008E 00	1.008E 00	-1.941E-03	-1.891E-03	1.0	1.0
27.000	4.9641	0.08266	1.0E 00	7.799E-02	1.009E 00	1.009E 00	-2.036E-03	-1.690E-03	1.0	1.0
28.000	4.9621	0.08260	1.0E 00	8.119E-02	1.010E 00	1.009E 00	-2.036E-03	-1.890E-03	1.0	1.0
29.000	4.9601	0.08254	1.0E 00	8.256E-02	1.011E 00	1.010E 00	-2.036E-03	-1.889E-03	1.0	1.0
30.000	4.9581	0.08248	1.0E 00	8.324E-02	1.011E 00	1.011E 00	-2.036E-03	-1.888E-03	1.0	1.0
31.000	4.9559	0.08241	1.0E 00	9.042E-02	1.012E 00	1.012E 00	-2.348E-03	-2.362E-03	1.0	1.0
32.000	4.9535	0.08235	1.0E 00	9.660E-02	1.013E 00	1.012E 00	-2.499E-03	-2.361E-03	1.0	1.0
33.000	4.9510	0.08227	1.0E 00	1.008E-01	1.014E 00	1.013E 00	-2.504E-03	-2.360E-03	1.0	1.0
34.000	4.9486	0.08220	1.0E 00	1.027E-01	1.015E 00	1.014E 00	-2.504E-03	-2.358E-03	1.0	1.0
35.000	4.9461	0.08212	1.0E 00	1.036E-01	1.016E 00	1.015E 00	-2.504E-03	-2.357E-03	1.0	1.0
36.000	4.9434	0.08204	1.1E 00	1.148E-01	1.017E 00	1.0 6E 00	-2.908E-03	-3.010E-03	1.0	1.0
37.000	4.9405	0.08196	1.1E 00	1.224E-01	1.018E 00	1.017E 00	-3.104E-03	-3.008E-03	1.0	1.0
38.000	4.9374	0.08187	1.1E 00	1.277E-01	1.020E 00	1.018E 00	-3.151E-03	-3.006E-03	1.0	1.0
39.000	4.9343	0.08177	1.1E 00	1.305E-01	1.021E 00	1.020E 00	-3.151E-03	-3.005E-03	1.0	1.0
40.000	4.9312	0.08168	1.1E 00	1.318E-01	1.022E 00	1.021E 00	-3.151E-03	-3.003E-03	1.0	1.0
41.000	4.9279	0.08158	1.1E 00	1.487E-01	1.023E 00	1.022E 00	-3.683E-03	-3.907E-03	1.0	1.0
42.000	4.9242	0.08147	1.1E 00	1.583E-01	1.025E 00	1.024E 00	-3.941E-03	-3.905E-03	1.0	1.0
43.000	4.9203	0.08135	1.1E 00	1.652E-01	1.027E 00	1.025E 00	-4.045E-03	-3.902E-03	1.0	1.0
44.000	4.9163	0.08123	1.1E 00	1.689E-01	1.028E 00	1.027E 00	-4.045E-03	-3.899E-03	1.0	1.0
45.000	4.9124	0.08111	1.1E 00	1.707E-01	1.030E 00	1.028E 00	-4.045E-03	-3.896E-03	1.0	1.0
46.000	4.9081	0.08098	1.1E 00	1.964E-01	1.031E 00	1.030E 00	-4.766E-03	-5.166E-03	1.0	1.0
47.000	4.9033	0.08084	1.1E 00	2.086E-01	1.034E 00	1.032E 00	-5.112E-03	-5.161E-03	1.0	1.0
48.000	4.8983	0.08069	1.1E 00	2.177E-01	1.036E 00	1.034E 00	-5.277E-03	-5.156E-03	1.0	1.0
49.000	4.8932	0.08053	1.1E 00	2.228E-01	1.038E 00	1.036E 00	-5.293E-03	-5.151E-03	1.0	1.0
50.000	4.8881	0.08037	1.1E 00	2.254E-01	1.040E 00	1.038E 00	-5.293E-03	-5.146E-03	1.0	1.0
51.000	4.8826	0.08023	1.1E 00	1.946E-01	1.042E 00	1.040E 00	-6.029E-03	-6.959E-03	2.0	1.0
52.000	4.8766	0.08008	1.1E 00	2.334E-01	1.045E 00	1.042E 00	-6.485E-03	-6.952E-03	2.0	1.0
53.000	4.8703	0.07991	1.1E 00	2.604E-01	1.048E 00	1.044E 00	-6.764E-03	-6.944E-03	2.0	1.0
54.000	4.8637	0.07972	1.1E 00	2.780E-01	1.051E 00	1.047E 00	-6.933E-03	-6.935E-03	2.0	1.0
55.000	4.8570	0.07953	1.1E 00	2.892E-01	1.053E 00	1.049E 00	-7.035E-03	-6.926E-03	2.0	1.0
56.000	4.8498	0.07932	1.1E 00	3.335E-01	1.057E 00	1.052E 00	-8.106E-03	-9.571E-03	2.0	1.0
57.000	4.8418	0.07908	1.1E 00	3.618E-01	1.061E 00	1.055E 00	-8.764E-03	-9.557E-03	2.0	1.0
58.000	4.8333	0.07883	1.1E 00	3.829E-01	1.065E 00	1.059E 00	-9.164E-03	-9.542E-03	2.0	1.0
59.000	4.8246	0.07856	1.1E 00	3.974E-01	1.068E 00	1.063E 00	-9.404E-03	-9.526E-03	2.0	1.0
60.000	4.8157	0.07829	1.1E 00	4.070E-01	1.072E 00	1.066E 00	-9.547E-03	-9.509E-03	2.0	1.0
61.000	4.8060	0.07800	1.1E 00	4.724E-01	1.077E 00	1.070E 00	-1.114E-02	-1.346E-02	2.0	1.0
62.000	4.7951	0.07767	1.1E 00	5.515E-01	1.083E 00	1.075E 00	-1.221E-02	-1.344E-02	3.0	1.0
63.000	4.7835	0.07730	1.1E 00	5.651E-01	1.088E 00	1.081E 00	-1.281E-02	-1.341E-02	3.0	1.0
64.000	4.7716	0.07694	1.1E 00	5.333E-01	1.093E 00	1.086E 00	-1.313E-02	-1.337E-02	2.0	1.0
65.000	4.7594	0.07659	1.1E 00	5.578E-01	1.099E 00	1.091E 00	-1.331E-02	-1.334E-02	2.0	1.0
66.000	4.7460	0.07619	1.2E 00	7.250E-01	1.106E 00	1.097E 00	-1.595E-02	-1.940E-02	3.0	1.0
67.000	4.7308	0.07573	1.2E 00	7.641E-01	1.114E 00	1.104E 00	-1.747E-02	-1.934E-02	3.0	1.0
68.000	4.7147	0.07524	1.2E 00	7.984E-01	1.122E 00	1.111E 00	-1.833E-02	-1.929E-02	3.0	1.0
69.000	4.6980	0.07473	1.2E 00	8.229E-01	1.130E 00	1.119E 00	-1.880E-02	-1.922E-02	3.0	1.0

70.000	4.6812	0.07422	1.2E 00	8.397E-01	1.138F 00	1.127E 00	-1.905F-02	-1.916E-02	3.0 1.0
71.000	4.6625	0.07368	1.2E 00	1.029E 00	1.148E 00	1.135E 00	-2.316E-02	-2.866E-02	3.0 1.0
72.000	4.6412	0.07308	1.2E 00	1.106E 00	1.160E 00	1.145E 00	-2.550E-02	-2.855E-02	3.0 1.0
73.000	4.6184	0.07241	1.2E 00	1.172E 00	1.171E 00	1.156E 00	-2.682E-02	-2.842E-02	3.0 1.0
74.000	4.5951	0.07172	1.2E 00	1.217E 00	1.183E 00	1.167E 00	-2.753E-02	-2.829E-02	3.0 1.0
75.000	4.5714	0.07103	1.2E 00	1.249E 00	1.195E 00	1.179E 00	-2.788E-02	-2.815E-02	3.0 1.0
76.000	4.5452	0.07029	1.3E 00	1.568E 00	1.211E 00	1.192E 00	-3.441E-02	-4.328E-02	3.0 1.0
77.000	4.5149	0.06946	1.3E 00	1.689E 00	1.229E 00	1.207E 00	-3.811E-02	-4.305E-02	3.0 1.0
78.000	4.4828	0.06854	1.3E 00	1.796E 00	1.247E 00	1.224E 00	-4.014E-02	-4.277E-02	3.0 1.0
79.000	4.4498	0.06761	1.3E 00	1.873E 00	1.266F 00	1.241C 00	-4.120E-02	-4.248E-02	3.0 1.0
80.000	4.4166	0.06666	1.3E 00	1.928E 00	1.284E 00	1.259E 00	-4.176E-02	-4.219E-02	3.0 1.0
81.000	4.3807	0.06568	1.3E 00	2.292E 00	1.307E 00	1.279E 00	-4.934E-02	-4.998E-02	3.0 1.0
82.000	4.3408	0.06461	1.4E 00	2.487E 00	1.333E 00	1.301E 00	-5.363E-02	-5.951E-02	3.0 1.0
83.000	4.2991	0.06346	1.4E 00	2.641E 00	1.360E 00	1.325E 00	-5.691F-02	-5.899E-02	3.0 1.0
84.000	4.2547	0.06223	1.4E 00	3.142E 00	1.393E 00	1.353E 00	-6.307E-02	-7.303E-02	3.0 1.0
85.000	4.2072	0.06091	1.4E 00	3.320E 00	1.427E 00	1.383C 00	-6.623E-02	-7.230E-02	3.0 1.0
86.000	4.1562	0.05953	1.5E 00	3.764E 00	1.464E 00	1.416E 00	-7.570E-02	-8.811E-02	3.0 1.0
87.000	4.1018	0.05808	1.5E 00	4.083E 00	1.507E 00	1.453E 00	-8.039E-02	-8.703E-02	3.0 1.0
88.000	4.0465	0.05660	1.5E 00	4.319E 00	1.549E 00	1.492E 00	-8.264E-02	-8.588E-02	3.0 1.0
89.000	3.9895	0.05505	1.5E 00	5.018E 00	1.602E 00	1.536E 00	-8.973F-02	-8.994E-02	3.0 1.0
90.000	3.9309	0.05339	1.6E 00	5.533E 00	1.658E 00	1.585E 00	-9.328F-02	-9.838E-02	3.0 1.0
91.000	3.8719	0.05175	1.6E 00	5.781E 00	1.713E 00	1.636E 00	-9.654F-02	-1.014E-01	3.0 1.0
91.200	3.8602	0.01016	1.6E 00	5.994E 00	1.747E 00	1.646E 00	-9.6H2E-02	-9.944E-02	2.0 1.0
91.400	3.8484	0.01009	1.6E 00	6.056E 00	1.759E 00	1.656E 00	-9.705H-02	-9.906E-02	2.0 1.0
91.600	3.8367	0.01003	1.6E 00	6.115E 00	1.770E 00	1.667E 00	-9.721E-02	-9.867E-02	2.0 1.0
91.800	3.8251	0.00997	1.6E 00	6.172E 00	1.782E 00	1.677E 00	-9.733F-02	-9.829E-02	2.0 1.0
92.000	3.8135	0.00991	1.6E 00	6.225E 00	1.793E 00	1.688E 00	-9.740E-02	-9.791E-02	2.0 1.0
92.200	3.8020	0.00984	1.6E 00	6.276E 00	1.805C 00	1.698E 00	-9.743F-02	-9.754E-02	2.0 1.0
92.400	3.7906	0.00978	1.6E 00	6.325F 00	1.816E 00	1.709E 00	-9.742F-02	-9.716E-02	2.0 1.0
92.600	3.7792	0.00972	1.6E 00	6.373E 00	1.828E 00	1.720E 00	-9.738E-02	-9.679E-02	2.0 1.0
92.800	3.7681	0.00966	1.6E 00	6.561E 00	1.839E 00	1.731E 00	-9.516E-02	-9.257E-02	2.0 1.0
93.000	3.7572	0.00960	1.6E 00	6.590E 00	1.851E 00	1.741E 00	-9.311F-02	-9.212E-02	2.0 1.0
93.200	3.7467	0.00954	1.7E 00	6.621E 00	1.863E 00	1.752E 00	-9.121F-02	-9.168E-02	2.0 1.0
93.400	3.7364	0.00948	1.7E 00	6.653E 00	1.874F 00	1.763E 00	-8.945F-02	-9.125E-02	2.0 1.0
93.600	3.7264	0.00942	1.7E 00	6.686E 00	1.886C 00	1.774E 00	-8.782E-02	-9.083E-02	2.0 1.0
93.800	3.7167	0.00937	1.7E 00	6.989E 00	1.898E 00	1.785E 00	-8.641E-02	-8.944E-02	2.0 1.0
94.000	3.7074	0.00931	1.7E 00	6.965E 00	1.909E 00	1.796F 00	-8.130F-02	-8.898E-02	2.0 1.0
94.200	3.6986	0.00925	1.7E 00	6.969E 00	1.921E 00	1.807E 00	-7.843E-02	-8.454E-02	2.0 1.0
94.400	3.6901	0.00920	1.7E 00	7.202E 00	1.933E 00	1.818E 00	-7.466E-02	-3.503E-02	3.0 1.0
94.600	3.6822	0.00914	1.7E 00	7.379E 00	1.945E 00	1.829E 00	-7.018E-02	-2.422E-02	3.0 1.0
94.800	3.6744	0.00908	1.7E 00	7.621F 00	1.957E 00	1.841F 00	-6.647E-02	-1.057E-02	3.0 1.0
95.000	3.6681	0.00903	1.7E 00	7.873C 00	1.969E 00	1.852E 00	-5.889E-02	-3.316E-03	3.0 1.0
95.200	3.6621	0.00897	1.7E 00	7.782E 00	1.982L 00	1.863E 00	-5.339E-02	3.758E-03	3.0 1.0
95.400	3.6567	0.00892	1.8E 00	8.292E 00	1.995C 00	1.875E 00	-4.630E-02	2.461E-02	3.0 1.0
95.600	3.6521	0.00886	1.7E 00	8.159E 00	2.007C 00	1.887E 00	-3.998E-02	2.700E-02	3.0 1.0
95.800	3.6484	0.00881	1.8E 00	9.115E 00	2.020E 00	1.899E 00	-3.058E-02	6.354E-02	3.0 1.0
96.000	3.6456	0.00875	1.8E 00	8.881E 00	2.033E 00	1.911E 00	-2.220E-02	6.387E-02	3.0 1.0
96.200	3.6437	0.00870	1.8E 00	8.694E 00	2.047E 00	1.923E 00	-1.446F-02	6.411E-02	3.0 1.0
96.400	3.6429	0.00864	1.9E 00	1.072E 01	2.061E 00	1.935E 00	-1.436F-03	1.283E-01	3.0 1.0
96.600	3.6433	0.00858	1.9E 00	1.025E 01	2.075E 00	1.948E 00	1.030E-02	1.284E-01	3.0 1.0
96.800	3.6449	0.00853	1.8E 00	9.920F 00	2.089E 00	1.961E 00	2.083E-02	1.284E-01	3.0 1.0
97.000	3.6475	0.00847	1.8E 00	9.626F 00	2.103E 00	1.973E 00	3.027E-02	1.282E-01	3.0 1.0
97.200	3.6510	0.00842	1.8E 00	9.389E 00	2.117E 00	1.986E 00	3.874E-02	1.279E-01	3.0 1.0
97.400	3.6559	0.00836	2.0E 00	1.335E 01	2.132E 00	2.000E 00	5.789E-02	2.390E-01	3.0 1.0
97.600	3.6625	0.00831	2.0E 00	1.256E 01	2.147E 00	2.013E 00	7.470E-02	2.383E-01	3.0 1.0
97.800	3.6706	0.00825	1.9E 00	1.189E 01	2.162E 00	2.027E 00	8.950E-02	2.373E-01	3.0 1.0
98.000	3.6801	0.00820	1.9E 00	1.133F 01	2.177E 00	2.040E 00	1.026E-01	2.361E-01	3.0 1.0
98.200	3.6906	0.00814	1.9E 00	1.087E 01	2.192E 00	2.054E 00	1.142E-01	2.347E-01	3.0 1.0
98.400	3.7029	0.00809	2.1E 00	1.606E 01	2.208E 00	2.069E 00	1.393F-01	3.703E-01	3.0 1.0
98.600	3.7174	0.00803	2.1E 00	1.485E 01	2.223E 00	2.084E 00	1.610E-01	3.679E-01	3.0 1.0
98.800	3.7337	0.00797	2.0E 00	1.382E 01	2.239E 00	2.098E 00	1.798E-01	3.651E-01	3.0 1.0
99.000	3.7516	0.00792	2.0E 00	1.295E 01	2.254E 00	2.112E 00	1.962E-01	3.619E-01	3.0 1.0
99.200	3.7708	0.00787	2.0E 00	1.223E 01	2.270E 00	2.126H 00	2.104E-01	3.585E-01	3.0 1.0
99.400	3.7917	0.00781	2.2E 00	1.665E 01	2.285E 00	2.141E 00	2.360E-01	4.763E-01	3.0 1.0
99.600	3.8147	0.00776	2.1E 00	1.530E 01	2.300E 00	2.156E 00	2.578E-01	4.715E-01	3.0 1.0
99.800	3.8398	0.00770	2.2E 00	1.408E 01	2.315E 00	2.171E 00	2.867E-01	5.543E-01	3.0 1.0

99.200	3.7708	0.00787	2.0E 00	1.223E 01	2.270E 00	2.126E 00	2.104E-01	3.585E-01	3.0	1.0
99.400	3.7917	0.00781	2.2E 00	1.665E 01	2.285E 00	2.141E 00	2.360E-01	4.763E-01	3.0	1.0
99.600	3.8147	0.00776	2.1E 00	1.530E 01	2.300E 00	2.156E 00	2.578E-01	4.715E-01	3.0	1.0
99.800	3.8398	0.00770	2.2E 00	1.808E 01	2.315E 00	2.171E 00	2.867E-01	5.543E-01	3.0	1.0
100.200	3.8966	0.00760	2.1E 00	1.505E 01	2.345E 00	2.201E 00	3.320E-01	5.408E-01	3.0	1.0
100.400	3.9279	0.00755	2.2E 00	1.804E 01	2.360E 00	2.216E 00	3.601E-01	6.270E-01	3.0	1.0
100.600	3.9614	0.00750	2.2E 00	1.633E 01	2.375E 00	2.230E 00	3.838E-01	6.180E-01	3.0	1.0
100.800	3.9971	0.00745	2.3E 00	1.943E 01	2.392E 00	2.246E 00	4.151E-01	7.072E-01	3.0	1.0
101.000	4.0351	0.00740	2.2E 00	1.748E 01	2.408E 00	2.261E 00	4.411E-01	6.961E-01	3.0	1.0
101.200	4.0749	0.00729	2.6E 00	2.747E 01	2.712E 00	2.309E 00	4.676E-01	6.878E-01	3.0	1.0
101.400	4.1164	0.00715	2.6E 00	2.828E 01	2.734E 00	2.355E 00	5.012E-01	7.833E-01	3.0	1.0
101.600	4.1598	0.00702	2.6E 00	2.601E 01	2.756E 00	2.395E 00	5.288E-01	7.739E-01	3.0	1.0
101.800	4.2049	0.00690	2.6E 00	2.651E 01	2.777E 00	2.434E 00	5.603E-01	8.420E-01	3.0	1.0
102.000	4.2518	0.00680	2.5E 00	2.557E 01	2.799E 00	2.469E 00	5.901E-01	8.655E-01	3.0	1.0
102.200	4.3005	0.00670	2.5E 00	2.518E 01	2.820E 00	2.503E 00	6.199E-01	9.003E-01	3.0	1.0
102.400	4.3509	0.00662	2.5E 00	2.489E 01	2.841E 00	2.535E 00	6.497E-01	9.354E-01	3.0	1.0
102.600	4.4029	0.00654	2.5E 00	2.422E 01	2.862E 00	2.565E 00	6.781E-01	9.583E-01	3.0	1.0
102.800	4.4568	0.00646	2.6E 00	2.602E 01	2.882E 00	2.595E 00	7.123E-01	1.043E 00	3.0	1.0
103.000	4.5125	0.00639	2.5E 00	2.378E 01	2.902E 00	2.622E 00	7.406E-01	1.028E 00	3.0	1.0
103.200	4.5698	0.00632	2.5E 00	2.375E 01	2.923E 00	2.649E 00	7.692E-01	1.062E 00	3.0	1.0
103.400	4.6287	0.00626	2.5E 00	2.396E 01	2.953E 00	2.676E 00	7.977E-01	1.093E 00	3.0	1.0
103.600	4.6889	0.00620	2.4E 00	2.226E 01	2.980E 00	2.702E 00	8.214E-01	1.077E 00	2.0	1.0
103.800	4.7494	0.00614	2.2E 00	1.664E 01	3.008E 00	2.725E 00	8.203E-01	8.066E-01	2.0	1.0
104.000	4.8093	0.00609	2.2E 00	1.690E 01	3.037E 00	2.749E 00	8.192E-01	8.066E-01	2.0	1.0
104.200	4.8686	0.00604	2.2E 00	1.715E 01	3.065E 00	2.773E 00	8.183E-01	8.066E-01	2.0	1.0
104.400	4.9278	0.00598	2.3E 00	1.908E 01	3.092E 00	2.798E 00	8.298E-01	9.662E-01	2.0	1.0
104.600	4.9872	0.00593	2.3E 00	1.898E 01	3.120E 00	2.822E 00	8.402E-01	9.662E-01	2.0	1.0
104.800	5.0468	0.00588	2.3E 00	1.893E 01	3.148E 00	2.847E 00	8.498E-01	9.662E-01	2.0	1.0
105.000	5.1066	0.00583	2.3E 00	1.891E 01	3.176E 00	2.872E 00	8.586E-01	9.662E-01	2.0	1.0
105.200	5.1664	0.00578	2.3E 00	1.891E 01	3.204E 00	2.897E 00	8.667E-01	9.662E-01	2.0	1.0
105.400	5.2268	0.00573	2.5E 00	2.512E 01	3.229E 00	2.924E 00	8.934E-01	1.192E 00	2.0	1.0
105.600	5.2885	0.00567	2.5E 00	2.412E 01	3.256E 00	2.951E 00	9.174E-01	1.192E 00	2.0	1.0
105.800	5.3511	0.00562	2.5E 00	2.329E 01	3.282E 00	2.977E 00	9.390E-01	1.192E 00	2.0	1.0
106.000	5.4146	0.00557	2.4E 00	2.260E 01	3.309E 00	3.003E 00	9.585E-01	1.192E 00	2.0	1.0
106.200	5.4787	0.00553	2.4E 00	2.203E 01	3.335E 00	3.028E 00	9.762E-01	1.192E 00	2.0	1.0
106.400	5.5448	0.00552	2.7E 00	2.875E 01	2.824E 00	3.011E 00	1.017E 00	1.467E 00	3.0	1.0

WATRAT= 7.21128631E-04 AVS= 1.20157452E 01
XP= 1.06368418E 02 YP= 5.53436643E 00 WATER 0.015814

-0. 6.00000 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VDX	VOXWN1	VDYWN1	VOY	XKT	DIRECT
1.000	5.9996	0.08342	1.1E 00	2.192E-01	9.963E-01	9.980E-01	-7.722E-04	-1.171E-03	1.0	1.0
2.000	5.9987	0.08353	1.0E 00	7.870E-02	9.967E-01	9.973E-01	-1.125E-03	-1.171E-03	1.0	1.0
3.000	5.9974	0.08356	1.0E 00	1.468E-02	9.971E-01	9.972E-01	-1.295E-03	-1.170E-03	1.0	1.0
4.000	5.9961	0.08356	1.0E 00	1.640E-02	9.975E-01	9.973E-01	-1.317E-03	-1.170E-03	1.0	1.0
5.000	5.9948	0.08354	1.0E 00	3.046E-02	9.979E-01	9.976E-01	-1.317E-03	-1.170E-03	1.0	1.0
6.000	5.9935	0.08352	1.0E 00	3.728E-02	9.983E-01	9.979E-01	-1.381E-03	-1.234E-03	1.0	1.0
7.000	5.9921	0.08349	1.0E 00	4.215E-02	9.987E-01	9.983E-01	-1.381E-03	-1.234E-03	1.0	1.0
8.000	5.9907	0.08346	1.0E 00	4.421E-02	9.991E-01	9.987E-01	-1.381E-03	-1.234E-03	1.0	1.0
9.000	5.9893	0.08343	1.0E 00	4.521E-02	9.995E-01	9.991E-01	-1.381E-03	-1.233E-03	1.0	1.0
10.000	5.9879	0.08339	1.0E 00	4.570E-02	9.999E-01	9.995E-01	-1.381E-03	-1.233E-03	1.0	1.0
11.000	5.9865	0.08336	1.0E 00	4.640E-02	1.000E 00	9.999E-01	-1.509E-03	-1.362E-03	1.0	1.0
12.000	5.9850	0.08332	1.0E 00	4.902E-02	1.001E 00	1.000E 00	-1.509E-03	-1.361E-03	1.0	1.0
13.000	5.9835	0.08328	1.0E 00	4.994E-02	1.001E 00	1.001E 00	-1.509E-03	-1.361E-03	1.0	1.0
14.000	5.9820	0.08325	1.0E 00	5.040E-02	1.002E 00	1.001E 00	-1.509E-03	-1.361E-03	1.0	1.0
15.000	5.9805	0.08321	1.0E 00	5.063E-02	1.002E 00	1.002E 00	-1.509E-03	-1.360E-03	1.0	1.0
16.000	5.9789	0.08317	1.0E 00	5.206E-02	1.003E 00	1.002E 00	-1.683E-03	-1.563E-03	1.0	1.0
17.000	5.9772	0.08313	1.0E 00	5.528E-02	1.003E 00	1.003E 00	-1.709E-03	-1.563E-03	1.0	1.0
18.000	5.9755	0.08309	1.0E 00	5.687E-02	1.004E 00	1.003E 00	-1.709E-03	-1.562E-03	1.0	1.0
19.000	5.9738	0.08305	1.0E 00	5.755E-02	1.004E 00	1.004E 00	-1.709E-03	-1.562E-03	1.0	1.0
20.000	5.9721	0.08301	1.0E 00	5.790E-02	1.005E 00	1.004E 00	-1.709E-03	-1.562E-03	1.0	1.0
21.000	5.9703	0.08296	1.0E 00	6.080E-02	1.005E 00	1.005E 00	-1.930E-03	-1.855E-03	1.0	1.0
22.000	5.9683	0.08291	1.0E 00	6.457E-02	1.006E 00	1.005E 00	-2.001E-03	-1.855E-03	1.0	1.0
23.000	5.9663	0.08287	1.0E 00	6.698E-02	1.007E 00	1.006E 00	-2.001E-03	-1.854E-03	1.0	1.0
24.000	5.9643	0.08282	1.0E 00	6.796E-02	1.007E 00	1.007E 00	-2.001E-03	-1.854E-03	1.0	1.0
25.000	5.9623	0.08277	1.0E 00	6.846E-02	1.008E 00	1.007E 00	-2.001E-03	-1.853E-03	1.0	1.0

25.000	5.9623	0.08277	1.0E 00	6.846E-02	1.008E 00	1.007E 00	-2.001E-03	-1.853E-03	1.0	1.0
26.000	5.9602	0.08271	1.0E 00	7.359E-02	1.008E 00	1.008E 00	-2.281E-03	-2.264E-03	1.0	1.0
27.000	5.9579	0.08266	1.0E 00	7.794E-02	1.009E 00	1.009E 00	-2.409E-03	-2.263E-03	1.0	1.0
28.000	5.9555	0.08260	1.0E 00	8.119E-02	1.010E 00	1.009E 00	-2.409E-03	-2.262E-03	1.0	1.0
29.000	5.9531	0.08254	1.0E 00	8.256E-02	1.011E 00	1.010E 00	-2.409E-03	-2.261E-03	1.0	1.0
30.000	5.9507	0.08248	1.0E 00	8.325E-02	1.011E 00	1.011E 00	-2.409E-03	-2.261E-03	1.0	1.0
31.000	5.9482	0.08241	1.0E 00	9.162E-02	1.012E 00	1.012E 00	-2.768E-03	-2.827E-03	1.0	1.0
32.000	5.9453	0.08235	1.0E 00	9.664E-02	1.013E 00	1.012E 00	-2.943E-03	-2.826E-03	1.0	1.0
33.000	5.9424	0.08227	1.0E 00	1.007E-01	1.014E 00	1.013E 00	-2.969E-03	-2.824E-03	1.0	1.0
34.000	5.9395	0.08220	1.0E 00	1.027E-01	1.015E 00	1.014E 00	-2.969E-03	-2.823E-03	1.0	1.0
35.000	5.9366	0.08212	1.0E 00	1.037E-01	1.016E 00	1.015E 00	-2.969E-03	-2.822E-03	1.0	1.0
36.000	5.9334	0.08204	1.1E 00	1.168E-01	1.017E 00	1.016E 00	-3.438E-03	-3.602E-03	1.0	1.0
37.000	5.9299	0.08196	1.1E 00	1.226E-01	1.018E 00	1.017E 00	-3.666E-03	-3.600E-03	1.0	1.0
38.000	5.9263	0.08187	1.1E 00	1.277E-01	1.020E 00	1.018E 00	-3.742E-03	-3.598E-03	1.0	1.0
39.000	5.9226	0.08177	1.1E 00	1.305E-01	1.021E 00	1.020E 00	-3.742E-03	-3.596E-03	1.0	1.0
40.000	5.9189	0.08168	1.1E 00	1.318E-01	1.022E 00	1.021E 00	-3.742E-03	-3.593E-03	1.0	1.0
41.000	5.9150	0.08158	1.1E 00	1.519E-01	1.023E 00	1.022E 00	-4.365E-03	-4.674E-03	1.0	1.0
42.000	5.9106	0.08147	1.1E 00	1.567E-01	1.025E 00	1.024E 00	-4.666E-03	-4.671E-03	1.0	1.0
43.000	5.9059	0.08135	1.1E 00	1.651E-01	1.027E 00	1.025E 00	-4.810E-03	-4.668E-03	1.0	1.0
44.000	5.9012	0.08123	1.1E 00	1.689E-01	1.028E 00	1.027E 00	-4.810E-03	-4.664E-03	1.0	1.0
45.000	5.8966	0.08111	1.1E 00	1.707E-01	1.030E 00	1.028E 00	-4.810E-03	-4.660E-03	1.0	1.0
46.000	5.8915	0.08098	1.1E 00	2.013E-01	1.031E 00	1.030E 00	-5.659E-03	-6.177E-03	1.0	1.0
47.000	5.8858	0.08084	1.1E 00	2.093E-01	1.034E 00	1.032E 00	-6.066E-03	-6.172E-03	1.0	1.0
48.000	5.8798	0.08069	1.1E 00	2.177E-01	1.036E 00	1.034E 00	-6.260E-03	-6.166E-03	1.0	1.0
49.000	5.8738	0.08053	1.1E 00	2.227E-01	1.038E 00	1.036E 00	-6.301E-03	-6.160E-03	1.0	1.0
50.000	5.8677	0.08037	1.1E 00	2.253E-01	1.040E 00	1.038E 00	-6.301E-03	-6.153E-03	1.0	1.0
51.000	5.8612	0.08023	1.1E 00	1.999E-01	1.042E 00	1.040E 00	-7.171E-03	-8.318E-03	2.0	1.0
52.000	5.8540	0.08008	1.1E 00	2.348E-01	1.045E 00	1.042E 00	-7.708E-03	-8.309E-03	2.0	1.0
53.000	5.8465	0.07991	1.1E 00	2.608E-01	1.048E 00	1.044E 00	-8.037E-03	-8.299E-03	2.0	1.0
54.000	5.8387	0.07972	1.1E 00	2.780E-01	1.051E 00	1.047E 00	-8.237E-03	-8.288E-03	2.0	1.0
55.000	5.8308	0.07953	1.1E 00	2.892E-01	1.053E 00	1.049E 00	-8.356E-03	-8.278E-03	2.0	1.0
56.000	5.8222	0.07932	1.1E 00	3.408E-01	1.057E 00	1.052E 00	-9.634E-03	-1.143E-02	2.0	1.0
57.000	5.8127	0.07908	1.1E 00	3.640E-01	1.061E 00	1.055E 00	-1.042E-02	-1.142E-02	2.0	1.0
58.000	5.8026	0.07883	1.1E 00	3.835E-01	1.065E 00	1.059E 00	-1.084E-02	-1.140E-02	2.0	1.0
59.000	5.7922	0.07856	1.1E 00	3.975E-01	1.068E 00	1.063E 00	-1.118E-02	-1.138E-02	2.0	1.0
60.000	5.7816	0.07829	1.1E 00	4.070E-01	1.072E 00	1.066E 00	-1.135E-02	-1.136E-02	2.0	1.0
61.000	5.7700	0.07799	1.1E 00	5.237E-01	1.077E 00	1.071E 00	-1.342E-02	-1.607E-02	3.0	1.0
62.000	5.7570	0.07765	1.1E 00	5.387E-01	1.083E 00	1.076E 00	-1.461E-02	-1.603E-02	3.0	1.0
63.000	5.7431	0.07729	1.1E 00	5.570E-01	1.088E 00	1.081E 00	-1.530E-02	-1.600E-02	3.0	1.0
64.000	5.7288	0.07693	1.1E 00	5.289E-01	1.093E 00	1.086E 00	-1.565E-02	-1.596E-02	2.0	1.0
65.000	5.7144	0.07658	1.1E 00	5.550E-01	1.099E 00	1.091E 00	-1.585E-02	-1.592E-02	2.0	1.0
66.000	5.6984	0.07619	1.2E 00	7.443E-01	1.106E 00	1.097E 00	-1.900E-02	-2.313E-02	3.0	1.0
67.000	5.6803	0.07573	1.2E 00	7.689E-01	1.114E 00	1.104E 00	-2.080E-02	-2.307E-02	3.0	1.0
68.000	5.6611	0.07524	1.2E 00	7.992E-01	1.122E 00	1.111E 00	-2.182E-02	-2.300E-02	3.0	1.0
69.000	5.6413	0.07473	1.2E 00	8.227E-01	1.130E 00	1.119E 00	-2.238E-02	-2.292E-02	3.0	1.0
70.000	5.6212	0.07422	1.2E 00	8.395E-01	1.138E 00	1.127E 00	-2.267E-02	-2.284E-02	3.0	1.0
71.000	5.5990	0.07368	1.2E 00	1.066E 00	1.148E 00	1.135E 00	-2.757E-02	-3.414E-02	3.0	1.0
72.000	5.5736	0.07307	1.2E 00	1.116E 00	1.160E 00	1.145E 00	-3.036E-02	-3.401E-02	3.0	1.0
73.000	5.5466	0.07241	1.2E 00	1.174E 00	1.171E 00	1.156E 00	-3.192E-02	-3.386E-02	3.0	1.0
74.000	5.5187	0.07172	1.2E 00	1.218E 00	1.183E 00	1.167E 00	-3.276E-02	-3.371E-02	3.0	1.0
75.000	5.4906	0.07103	1.2E 00	1.249E 00	1.195E 00	1.179E 00	-3.318E-02	-3.354E-02	3.0	1.0
76.000	5.4594	0.07029	1.3E 00	1.628E 00	1.211E 00	1.192E 00	-4.098E-02	-5.155E-02	3.0	1.0
77.000	5.4234	0.06945	1.3E 00	1.704E 00	1.229E 00	1.208E 00	-4.537E-02	-5.127E-02	3.0	1.0
78.000	5.3851	0.06854	1.3E 00	1.799E 00	1.247E 00	1.224E 00	-4.778E-02	-5.094E-02	3.0	1.0
79.000	5.3458	0.06760	1.3E 00	1.873E 00	1.266E 00	1.241E 00	-4.904E-02	-5.060E-02	3.0	1.0
80.000	5.3063	0.06666	1.3E 00	1.928E 00	1.284E 00	1.259E 00	-4.963E-02	-5.025E-02	3.0	1.0
81.000	5.2636	0.06568	1.3E 00	2.352E 00	1.307E 00	1.279E 00	-5.880E-02	-7.154E-02	3.0	1.0
82.000	5.2160	0.06460	1.4E 00	2.502E 00	1.333E 00	1.301E 00	-6.392E-02	-7.098E-02	3.0	1.0
83.000	5.1663	0.06346	1.4E 00	2.643E 00	1.360E 00	1.325E 00	-6.665E-02	-7.036E-02	3.0	1.0
84.000	5.1133	0.06223	1.4E 00	3.181E 00	1.393E 00	1.353E 00	-7.530E-02	-8.736E-02	3.0	1.0
85.000	5.0566	0.06090	1.4E 00	3.328E 00	1.427E 00	1.383E 00	-7.997E-02	-8.648E-02	3.0	1.0
86.000	4.9956	0.05953	1.5E 00	3.822E 00	1.464E 00	1.417E 00	-9.080E-02	-1.061E-01	3.0	1.0
87.000	4.9303	0.05808	1.5E 00	4.095E 00	1.507E 00	1.453E 00	-9.661E-02	-1.048E-01	3.0	1.0
88.000	4.8637	0.05659	1.5E 00	4.320E 00	1.549E 00	1.492E 00	-9.945E-02	-1.035E-01	3.0	1.0
89.000	4.7949	0.05504	1.5E 00	5.062E 00	1.602E 00	1.536E 00	-1.089E-01	-1.226E-01	3.0	1.0
90.000	4.7236	0.05342	1.6E 00	5.376E 00	1.655E 00	1.584E 00	-1.137E-01	-1.206E-01	3.0	1.0
91.000	4.6509	0.05178	1.6E 00	5.946E 00	1.714E 00	1.635E 00	-1.205E-01	-1.306E-01	3.0	1.0

87.000	4.9303	0.05808	1.5E 00	4.095E 00	1.507E 00	1.453E 00	-9.080E-02	-1.061E-01	3.0	1.0
88.000	4.8637	0.05659	1.5E 00	4.320E 00	1.549E 00	1.492E 00	-9.661E-02	-1.048E-01	3.0	1.0
89.000	4.7949	0.05504	1.5E 00	5.062E 00	1.602E 00	1.536E 00	-9.945E-02	-1.035E-01	3.0	1.0
90.000	4.7236	0.05342	1.6E 00	5.376E 00	1.655E 00	1.584E 00	-1.089E-01	-1.226E-01	3.0	1.0
91.000	4.6509	0.05178	1.6E 00	5.946E 00	1.714E 00	1.635E 00	-1.205E-01	-1.306E-01	3.0	1.0
91.200	4.6361	0.01016	1.6E 00	6.338E 00	1.753E 00	1.646E 00	-1.212E-01	-1.279E-01	2.0	1.0
91.400	4.6214	0.01009	1.6E 00	6.444E 00	1.766E 00	1.658E 00	-1.218E-01	-1.273E-01	2.0	1.0
91.600	4.6068	0.01002	1.6E 00	6.543E 00	1.779E 00	1.669E 00	-1.222E-01	-1.268E-01	2.0	1.0
91.800	4.5921	0.00995	1.7E 00	6.634E 00	1.792E 00	1.680E 00	-1.226E-01	-1.262E-01	2.0	1.0
92.000	4.5776	0.00988	1.7E 00	6.720E 00	1.806E 00	1.692E 00	-1.229E-01	-1.257E-01	2.0	1.0
92.200	4.5631	0.00982	1.7E 00	6.801E 00	1.819E 00	1.704E 00	-1.232E-01	-1.251E-01	2.0	1.0
92.400	4.5487	0.00975	1.7E 00	6.877E 00	1.832E 00	1.716E 00	-1.233E-01	-1.246E-01	2.0	1.0
92.600	4.5343	0.00968	1.7E 00	6.949E 00	1.845E 00	1.727E 00	-1.234E-01	-1.241E-01	2.0	1.0
92.800	4.5202	0.00961	1.7E 00	7.174E 00	1.860E 00	1.740E 00	-1.220E-01	-1.081E-01	2.0	1.0
93.000	4.5063	0.00955	1.7E 00	7.330E 00	1.875E 00	1.752E 00	-1.207E-01	-1.074E-01	2.0	1.0
93.200	4.4926	0.00948	1.7E 00	7.473E 00	1.890E 00	1.765E 00	-1.194E-01	-1.067E-01	2.0	1.0
93.400	4.4792	0.00941	1.7E 00	7.605E 00	1.905E 00	1.777E 00	-1.182E-01	-1.060E-01	2.0	1.0
93.600	4.4660	0.00934	1.7E 00	7.728E 00	1.921E 00	1.790E 00	-1.170E-01	-1.053E-01	2.0	1.0
93.800	4.4531	0.00927	1.7E 00	8.008E 00	1.937E 00	1.804E 00	-1.145E-01	-8.906E-02	2.0	1.0
94.000	4.4406	0.00920	1.7E 00	8.141E 00	1.953E 00	1.817E 00	-1.121E-01	-8.832E-02	2.0	1.0
94.200	4.4284	0.00914	1.8E 00	8.266E 00	1.969E 00	1.831E 00	-1.099E-01	-8.761E-02	2.0	1.0
94.400	4.4166	0.00907	1.8E 00	8.517E 00	1.986E 00	1.845E 00	-1.070E-01	-7.695E-02	2.0	1.0
94.600	4.4053	0.00900	1.8E 00	8.778E 00	2.003E 00	1.860E 00	-1.035E-01	-6.878E-02	3.0	1.0
94.800	4.3944	0.00893	1.8E 00	9.041E 00	2.021E 00	1.874E 00	-9.928E-02	-5.737E-02	3.0	1.0
95.000	4.3841	0.00886	1.8E 00	9.309E 00	2.039E 00	1.889E 00	-9.447E-02	-4.623E-02	3.0	1.0
95.200	4.3744	0.00879	1.8E 00	9.396E 00	2.056E 00	1.904E 00	-9.005E-02	-4.549E-02	3.0	1.0
95.400	4.3653	0.00872	1.8E 00	9.811E 00	2.075E 00	1.920E 00	-8.436E-02	-2.732E-02	3.0	1.0
95.600	4.3568	0.00865	1.8E 00	9.874E 00	2.094E 00	1.936E 00	-7.915E-02	-2.662E-02	3.0	1.0
95.800	4.3490	0.00857	1.9E 00	1.052E 01	2.113E 00	1.952E 00	-7.172E-02	2.446E-03	3.0	1.0
96.000	4.3421	0.00850	1.9E 00	1.053E 01	2.132E 00	1.968E 00	-6.495E-02	3.112E-03	3.0	.0
96.200	4.3358	0.00843	1.9E 00	1.056E 01	2.151E 00	1.985E 00	-5.879E-02	3.711E-03	3.0	1.0
96.400	4.3304	0.00836	1.9E 00	1.184E 01	2.173E 00	2.002E 00	-4.830E-02	5.508E-02	3.0	1.0
96.600	4.3261	0.00829	1.9E 00	1.173E 01	2.193E 00	2.019E 00	-3.884E-02	5.562E-02	3.0	1.0
96.800	4.3227	0.00822	1.9E 00	1.166E 01	2.214E 00	2.037E 00	-3.028E-02	5.605E-02	3.0	1.0
97.000	4.3201	0.00815	1.9E 00	1.162E 01	2.234E 00	2.055E 00	-2.254E-02	5.639E-02	3.0	1.0
97.200	4.3183	0.00808	1.9E 00	1.162E 01	2.255E 00	2.072E 00	-1.553E-02	5.665E-02	3.0	1.0
97.400	4.3175	0.00801	2.1E 00	1.411E 01	2.277E 00	2.091E 00	-3.059E-04	1.477E-01	3.0	1.0
97.600	4.3181	0.00793	2.0E 00	1.372E 01	2.299E 00	2.110E 00	1.322E-02	1.478E-01	2.0	1.0
97.800	4.3199	0.00786	2.0E 00	1.349E 01	2.321E 00	2.129E 00	2.538E-02	1.478E-01	3.0	1.0
98.000	4.3228	0.00779	2.0E 00	1.329E 01	2.343E 00	2.149E 00	3.627E-02	1.475E-01	3.0	1.0
98.200	4.3266	0.00772	2.0E 00	1.314E 01	2.365E 00	2.168E 00	4.604E-02	1.472E-01	3.0	1.0
98.400	4.3318	0.00765	2.2E 00	1.664E 01	2.389E 00	2.189E 00	6.639E-02	2.622E-01	3.0	1.0
98.600	4.3386	0.00758	2.1E 00	1.597E 01	2.412E 00	2.209E 00	8.434E-02	2.614E-01	3.0	1.0
98.800	4.3470	0.00751	2.1E 00	1.544E 01	2.435E 00	2.229E 00	1.002E-01	2.604E-01	3.0	1.0
99.000	4.3565	0.00744	2.1E 00	1.502E 01	2.458E 00	2.250E 00	1.143E-01	2.592E-01	3.0	1.0
99.200	4.3672	0.00738	2.1E 00	1.469E 01	2.481E 00	2.270E 00	1.268E-01	2.578E-01	3.0	1.0
99.400	4.3793	0.00731	2.2E 00	1.789E 01	2.504E 00	2.292E 00	1.486E-01	3.622E-01	3.0	1.0
99.600	4.3930	0.00724	2.2E 00	1.709E 01	2.527E 00	2.313E 00	1.676E-01	3.601E-01	3.0	1.0
99.800	4.4085	0.00717	2.3E 00	1.929E 01	2.551E 00	2.335E 00	1.925E-01	4.354E-01	3.0	1.0
100.000	4.4259	0.00710	2.2E 00	1.827E 01	2.574E 00	2.357E 00	2.143E-01	4.326E-01	3.0	1.0
100.200	4.4448	0.00704	2.2E 00	1.743E 01	2.597E 00	2.378E 00	2.333E-01	4.294E-01	3.0	1.0
100.400	4.4654	0.00698	2.3E 00	1.984E 01	2.620E 00	2.400E 00	2.586E-01	5.102E-01	3.0	1.0
100.600	4.4877	0.00691	2.3E 00	1.874E 01	2.644E 00	2.422E 00	2.806E-01	5.061E-01	3.0	1.0
100.800	4.5120	0.00685	2.4E 00	2.135E 01	2.666E 00	2.444E 00	3.094E-01	5.925E-01	3.0	1.0
101.000	4.5382	0.00679	2.3E 00	1.990E 01	2.689E 00	2.466E 00	3.342E-01	5.874E-01	3.0	1.0
101.200	4.5660	0.00673	2.3E 00	1.884E 01	2.712E 00	2.488E 00	3.557E-01	5.818E-01	3.0	1.0
101.400	4.5957	0.00667	2.4E 00	2.163E 01	2.734E 00	2.510E 00	3.843E-01	6.725E-01	3.0	1.0
101.600	4.6271	0.00661	2.3E 00	2.019E 01	2.756E 00	2.531E 00	4.090E-01	6.658E-01	3.0	1.0
101.800	4.6604	0.00656	2.4E 00	2.188E 01	2.777E 00	2.553E 00	4.377E-01	7.312E-01	3.0	1.0
102.000	4.6957	0.00650	2.4E 00	2.168E 01	2.799E 00	2.575E 00	4.657E-01	7.552E-01	3.0	1.0
102.200	4.7328	0.00645	2.4E 00	2.195E 01	2.820E 00	2.597E 00	4.942E-01	7.898E-01	3.0	1.0
102.400	4.7718	0.00639	2.4E 00	2.220E 01	2.841E 00	2.618E 00	5.231E-01	8.246E-01	3.0	1.0
102.600	4.8127	0.00634	2.4E 00	2.196E 01	2.862E 00	2.639E 00	5.513E-01	8.481E-01	3.0	1.0
102.800	4.8556	0.00629	2.5E 00	2.426E 01	2.882E 00	2.661E 00	5.849E-01	9.293E-01	3.0	1.0
103.000	4.9004	0.00624	2.4E 00	2.223E 01	2.902E 00	2.681E 00	6.134E-01	9.174E-01	3.0	1.0
103.200	4.9471	0.00619	2.4E 00	2.247E 01	2.923E 00	2.702E 00	6.422E-01	9.517E-01	3.0	1.0
103.400	4.9955	0.00614	2.4E 00	2.321E 01	2.953E 00	2.723E 00	6.721E-01	9.904E-01	3.0	1.0
103.600	5.0456	0.00610	2.4E 00	2.159E 01	2.980E 00	2.745E 00	6.973E-01	9.773E-01	3.0	1.0
103.800	5.0965	0.00605	2.1E 00	1.550E 01	3.008E 00	2.764E 00	7.054E-01	8.066E-01	2.0	1.0
104.000	5.1476	0.00601	2.1E 00	1.578E 01	3.037E 00	2.784E 00	7.128E-01	8.066E-01	2.0	1.0
104.200	5.1989	0.00596	2.1E 00	1.607E 01	3.065E 00	2.805E 00	7.196E-01	8.066E-01	2.0	1.0

104.400	5.2507	0.00592	2.3E 00	2.051E 01	3.092E 00	2.827E 00	7.391E-01	9.662E-01	2.0	1.0
104.600	5.3034	0.00587	2.3E 00	2.007E 01	3.120E 00	2.850E 00	7.567E-01	9.662E-01	2.0	1.0
104.800	5.3568	0.00582	2.3E 00	1.974E 01	3.148E 00	2.873E 00	7.728E-01	9.662E-01	2.0	1.0
105.000	5.4109	0.00578	2.3E 00	1.949E 01	3.176E 00	2.896E 00	7.874E-01	9.662E-01	2.0	1.0
105.200	5.4656	0.00573	2.3E 00	1.931E 01	3.204E 00	2.919E 00	8.008E-01	9.662E-01	2.0	1.0
105.400	5.5213	0.00568	2.6E 00	2.702E 01	3.229E 00	2.945E 00	8.337E-01	1.192E 00	3.0	1.0
105.600	5.5787	0.00563	2.5E 00	2.569E 01	3.256E 00	2.971E 00	8.630E-01	1.192E 00	3.0	1.0
105.800	5.6374	0.00559	2.5E 00	2.451E 01	3.282E 00	2.995E 00	8.892E-01	1.192E 00	2.0	1.0
106.000	5.6973	0.00554	2.5E 00	2.359E 01	3.309E 00	3.020E 00	9.128E-01	1.192E 00	2.0	1.0
106.200	5.7582	0.00550	2.4E 00	2.282E 01	3.335E 00	3.044E 00	9.341E-01	1.192E 00	2.0	1.0
106.400	5.8213	0.00545	2.7E 00	3.115E 01	2.824E 00	3.025E 00	9.799E-01	1.467E 00	3.0	1.0
106.600	5.8882	0.00539	3.0E 00	3.885E 01	2.491E 00	2.974E 00	1.026E 00	1.467E 00	3.0	1.0
106.800	5.9599	0.00569	3.4E 00	4.951E 01	2.159E 00	2.887E 00	1.074E 00	1.467E 00	3.0	1.0
107.000	6.0376	0.00591	3.7E 00	5.996E 01	1.827E 00	2.758E 00	1.121E 00	1.467E 00	3.0	1.0
107.200	6.1188	0.00593	3.4E 00	5.230E 01	3.680E 00	2.864E 00	1.160E 00	1.459E 00	3.0	1.0
107.400	6.1996	0.00573	3.3E 00	4.696E 01	3.695E 00	2.952E 00	1.190E 00	1.442E 00	3.0	1.0
107.600	6.2799	0.00558	3.1E 00	4.261E 01	3.710E 00	3.027E 00	1.213E 00	1.425E 00	3.0	1.0
107.800	6.3598	0.00545	3.0E 00	3.888E 01	3.725E 00	3.092E 00	1.231E 00	1.408E 00	2.0	1.0
108.000	6.4392	0.00534	2.9E 00	3.591E 01	3.740E 00	3.149E 00	1.245E 00	1.391E 00	2.0	1.0
108.200	6.5180	0.00525	2.8E 00	3.339E 01	3.754E 00	3.200E 00	1.256E 00	1.375E 00	2.0	1.0
108.400	6.5963	0.00517	2.8E 00	3.212E 01	3.775E 00	3.247E 00	1.269E 00	1.409E 00	2.0	1.0
108.600	6.6743	0.00510	2.7E 00	3.050E 01	3.793E 00	3.290E 00	1.280E 00	1.409E 00	2.0	1.0
108.800	6.7519	0.00503	2.7E 00	2.910E 01	3.812E 00	3.331E 00	1.290E 00	1.409E 00	2.0	1.0
109.000	6.8291	0.00498	2.6E 00	2.787E 01	3.830E 00	3.368E 00	1.299E 00	1.409E 00	2.0	1.0
109.200	6.9061	0.00492	2.6E 00	2.680E 01	3.849E 00	3.403E 00	1.307E 00	1.409E 00	2.0	1.0
109.400	6.9827	0.00487	2.6E 00	2.585E 01	3.867E 00	3.436E 00	1.314E 00	1.409E 00	2.0	1.0
109.600	7.0590	0.00483	2.5E 00	2.501E 01	3.886E 00	3.467E 00	1.320E 00	1.409E 00	2.0	1.0
109.800	7.1350	0.00479	2.5E 00	2.428E 01	3.904E 00	3.497E 00	1.326E 00	1.409E 00	2.0	1.0
110.000	7.2107	0.00475	2.5E 00	2.362E 01	3.923E 00	3.526E 00	1.332E 00	1.409E 00	2.0	1.0

WATRAT= 4.02132815E-04 AVS= 1.49918877E 01
XP= 1.09806083E 02 YP= 7.13738507E 00 WATER 0.019328

-0. 7.00000 1.00000 -0.

XNN1	YMN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	6.9996	0.08342	1.1E 00	2.230E-01	9.963E-01	9.960E-01	-8.741E-04	-1.360E-03	1.0	1.0
2.000	6.9985	0.08353	1.0E 00	8.055E-02	9.967E-01	9.973E-01	-1.273E-03	-1.360E-03	1.0	1.0
3.000	6.9971	0.08356	1.0E 00	1.566E-02	9.971E-01	9.972E-01	-1.464E-03	-1.360E-03	1.0	1.0
4.000	6.9956	0.08356	1.0E 00	1.549E-02	9.974E-01	9.973E-01	-1.507E-03	-1.360E-03	1.0	1.0
5.000	6.9941	0.08355	1.0E 00	2.998E-02	9.978E-01	9.976E-01	-1.507E-03	-1.360E-03	1.0	1.0
6.000	6.9926	0.08352	1.0E 00	3.669E-02	9.982E-01	9.979E-01	-1.581E-03	-1.434E-03	1.0	1.0
7.000	6.9910	0.08349	1.0E 00	4.161E-02	9.986E-01	9.983E-01	-1.581E-03	-1.434E-03	1.0	1.0
8.000	6.9894	0.08346	1.0E 00	4.365E-02	9.990E-01	9.987E-01	-1.581E-03	-1.433E-03	1.0	1.0
9.000	6.9878	0.08343	1.0E 00	4.464E-02	9.994E-01	9.991E-01	-1.581E-03	-1.433E-03	1.0	1.0
10.000	6.9862	0.08339	1.0E 00	4.513E-02	9.998E-01	9.995E-01	-1.581E-03	-1.433E-03	1.0	1.0
11.000	6.9846	0.08336	1.0E 00	4.578E-02	1.000E 00	9.999E-01	-1.724E-03	-1.582E-03	1.0	1.0
12.000	6.9828	0.08333	1.0E 00	4.839E-02	1.001E 00	1.000E 00	-1.724E-03	-1.582E-03	1.0	1.0
13.000	6.9811	0.08329	1.0E 00	4.929E-02	1.001E 00	1.001E 00	-1.724E-03	-1.581E-03	1.0	1.0
14.000	6.9794	0.08325	1.0E 00	4.974E-02	1.002E 00	1.001E 00	-1.728E-03	-1.581E-03	1.0	1.0
15.000	6.9777	0.08322	1.0E 00	4.996E-02	1.002E 00	1.002E 00	-1.724E-03	-1.580E-03	1.0	1.0
16.000	6.9758	0.08318	1.0E 00	5.149E-02	1.003E 00	1.002E 00	-1.917E-03	-1.816E-03	1.0	1.0
17.000	6.9739	0.08314	1.0E 00	5.441E-02	1.003E 00	1.003E 00	-1.962E-03	-1.815E-03	1.0	1.0
18.000	6.9720	0.08310	1.0E 00	5.609E-02	1.004E 00	1.003E 00	-1.962E-03	-1.815E-03	1.0	1.0
19.000	6.9700	0.08306	1.0E 00	5.675E-02	1.004E 00	1.004E 00	-1.962E-03	-1.814E-03	1.0	1.0
20.000	6.9680	0.08301	1.0E 00	5.709E-02	1.005E 00	1.004E 00	-1.962E-03	-1.814E-03	1.0	1.0
21.000	6.9660	0.08297	1.0E 00	6.034E-02	1.005E 00	1.005E 00	-2.206E-03	-2.154E-03	1.0	1.0
22.000	6.9637	0.08292	1.0E 00	6.352E-02	1.006E 00	1.005E 00	-2.300E-03	-2.154E-03	1.0	1.0
23.000	6.9614	0.08288	1.0E 00	6.597E-02	1.006E 00	1.006E 00	-2.300E-03	-2.153E-03	1.0	1.0
24.000	6.9592	0.08283	1.0E 00	6.693E-02	1.007E 00	1.006E 00	-2.300E-03	-2.152E-03	1.0	1.0
25.000	6.9569	0.08278	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.300E-03	-2.152E-03	1.0	1.0
26.000	6.9544	0.08273	1.0E 00	7.330E-02	1.008E 00	1.008E 00	-2.613E-03	-2.628E-03	1.0	1.0
27.000	6.9518	0.08267	1.0E 00	7.664E-02	1.009E 00	1.008E 00	-2.765E-03	-2.627E-03	1.0	1.0
28.000	6.9490	0.08261	1.0E 00	7.980E-02	1.010E 00	1.009E 00	-2.771E-03	-2.626E-03	1.0	1.0
29.000	6.9463	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-2.771E-03	-2.625E-03	1.0	1.0

30.000	6.9435	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-2.771E-03	-2.624E-03	1.0	1.0

36

30.000	6.9435	0.08249	1.0E 00	8.185E-02	1.011E 00	-2.624E-03	-2.771E-03	1.011E 00	2.0	1.0
31.000	6.9406	0.08243	1.0E 00	9.159E-02	1.012E 00	-3.279E-03	-3.476E-03	1.011E 00	2.0	1.0
32.000	6.9374	0.08237	1.0E 00	9.498E-02	1.013E 00	-3.278E-03	-3.479E-03	1.012E 00	2.0	1.0
33.000	6.9340	0.08229	1.0E 00	9.877E-02	1.014E 00	-3.276E-03	-3.421E-03	1.013E 00	2.0	1.0
34.000	6.9306	0.08222	1.0E 00	1.008E-01	1.014E 00	-3.275E-03	-3.421E-03	1.014E 00	2.0	1.0
35.000	6.9273	0.08215	1.0E 00	1.017E-01	1.015E 00	-3.273E-03	-3.421E-03	1.015E 00	2.0	1.0
36.000	6.9236	0.08207	1.1E 00	1.171E-01	1.016E 00	-4.176E-03	-3.953E-03	1.016E 00	2.0	1.0
37.000	6.9196	0.08199	1.1E 00	1.204E-01	1.017E 00	-4.174E-03	-4.211E-03	1.017E 00	2.0	1.0
38.000	6.9154	0.08190	1.1E 00	1.250E-01	1.018E 00	-4.171E-03	-4.316E-03	1.018E 00	2.0	1.0
39.000	6.9112	0.08180	1.1E 00	1.278E-01	1.019E 00	-4.169E-03	-4.316E-03	1.019E 00	2.0	1.0
40.000	6.9069	0.08171	1.1E 00	1.291E-01	1.020E 00	-4.167E-03	-4.316E-03	1.020E 00	2.0	1.0
41.000	6.9024	0.08161	1.1E 00	1.526E-01	1.022E 00	-5.026E-03	-5.026E-03	1.022E 00	3.0	1.0
42.000	6.8973	0.08151	1.1E 00	1.556E-01	1.024E 00	-5.366E-03	-5.366E-03	1.023E 00	3.0	1.0
43.000	6.8920	0.08139	1.1E 00	1.613E-01	1.026E 00	-5.532E-03	-5.532E-03	1.025E 00	3.0	1.0
44.000	6.8866	0.08127	1.1E 00	1.650E-01	1.028E 00	-5.547E-03	-5.547E-03	1.026E 00	3.0	1.0
45.000	6.8812	0.08115	1.1E 00	1.668E-01	1.029E 00	-5.547C-03	-5.547C-03	1.028E 00	3.0	1.0
46.000	6.8753	0.08103	1.1E 00	2.028E-01	1.031E 00	-6.519E-03	-6.519E-03	1.029E 00	3.0	1.0
47.000	6.8697	0.08089	1.1E 00	2.050E-01	1.033E 00	-6.985E-03	-7.151E-03	1.031E 00	3.0	1.0
48.000	6.8619	0.08074	1.1E 00	2.121F-01	1.035E 00	-7.207F-03	-7.145E-03	1.033E 00	3.0	1.0
49.000	6.8549	0.08059	1.1E 00	2.169E-01	1.037E 00	-7.274E-03	-7.139E-03	1.035E 00	3.0	1.0
50.000	6.8478	0.08044	1.1E 00	2.195E-01	1.039E 00	-7.274E-03	-7.132E-03	1.037E 00	3.0	1.0
51.000	6.8404	0.08030	1.1E 00	2.014F-01	1.041F 00	-8.269E-03	-7.125E-03	1.039E 00	3.0	1.0
52.000	6.8321	0.08015	1.1E 00	2.300E-01	1.044E 00	-8.844F-03	-9.621E-03	1.041E 00	4.0	1.0
53.000	6.8234	0.07999	1.1E 00	2.536E-01	1.047E 00	-9.490F-03	-9.611E-03	1.043E 00	4.0	1.0
54.000	6.8144	0.07980	1.1E 00	2.699E-01	1.049E 00	-9.647C-03	-9.600E-03	1.045E 00	4.0	1.0
55.000	6.8053	0.07961	1.1E 00	2.806F-01	1.052E 00	-9.577E-03	-9.577E-03	1.048E 00	4.0	1.0
56.000	6.7954	0.07941	1.1E 00	3.399E-01	1.055E 00	-1.110E-02	-1.321E-02	1.051E 00	5.0	1.0
57.000	6.7844	0.07917	1.1E 00	3.835E-01	1.059E 00	-1.206F-02	-1.319E-02	1.054E 00	5.0	1.0
58.000	6.7727	0.07892	1.1E 00	3.607E-01	1.063E 00	-1.260E-02	-1.317E-02	1.058E 00	5.0	1.0
59.000	6.7607	0.07867	1.1E 00	3.777E-01	1.067E 00	-1.291E-02	-1.315E-02	1.061E 00	5.0	1.0
60.000	6.7484	0.07841	1.1E 00	3.892E-01	1.070E 00	-1.310E-02	-1.313E-02	1.065E 00	5.0	1.0
61.000	6.7350	0.07812	1.1E 00	5.197E-01	1.075E 00	-1.547F-02	-1.855C-02	1.069E 00	6.0	1.0
62.000	6.7200	0.07779	1.1E 00	5.221E-01	1.080E 00	-1.674F-02	-1.851E-02	1.074E 00	6.0	1.0
63.000	6.7039	0.07745	1.1E 00	5.360E-01	1.085E 00	-1.763F-02	-1.847E-02	1.078E 00	6.0	1.0
64.000	6.6874	0.07710	1.1E 00	5.082E-01	1.091E 00	-1.803F-02	-1.843E-02	1.083E 00	6.0	1.0
65.000	6.6707	0.07676	1.1E 00	5.330E-01	1.096E 00	-1.827C-02	-1.839E-02	1.088E 00	6.0	1.0
66.000	6.6523	0.07638	1.2E 00	7.427E-01	1.102E 00	-2.189E-02	-2.396E-02	1.094E 00	7.0	1.0
67.000	6.6314	0.07594	1.2E 00	7.440E-01	1.110E 00	-2.396E-02	-2.513E-02	1.101E 00	8.0	1.0
68.000	6.6092	0.07547	1.2E 00	7.658E-01	1.118E 00	-2.513E-02	-2.570F-02	1.108E 00	8.0	1.0
69.000	6.5863	0.07499	1.2E 00	7.860E-01	1.125E 00	-2.570F-02	-2.613E-02	1.115L 00	8.0	1.0
70.000	6.5631	0.07450	1.2E 00	8.013E-01	1.133E 00	-2.613E-02	-3.176L-02	1.122F 00	9.0	1.0
71.000	6.5374	0.07398	1.2E 00	1.067E 00	1.142E 00	-3.176L-02	-3.499E-02	1.131F 00	9.0	1.0
72.000	6.5088	0.07339	1.2E 00	1.075E 00	1.154C 00	-3.499E-02	-3.679E-02	1.140E 00	9.0	1.0
73.000	6.4766	0.07276	1.2E 00	1.117E 00	1.165E 00	-3.679E-02	-3.776E-02	1.150E 00	9.0	1.0
74.000	6.4444	0.07210	1.2E 00	1.155E 00	1.176E 00	-3.776E-02	-3.826E-02	1.161E 00	9.0	1.0
75.000	6.4118	0.07144	1.2E 00	1.184E 00	1.188E 00	-3.826E-02	-3.873E-02	1.172E 00	9.0	1.0
76.000	6.3755	0.07073	1.3E 00	1.631E 00	1.202E 00	-4.731E-02	-4.950E-02	1.185E 00	1.1E 01	1.0
77.000	6.3337	0.06992	1.3E 00	1.636E 00	1.219E 00	-5.237E-02	-5.920E-02	1.199E 00	1.1E 01	1.0
78.000	6.2891	0.06905	1.3E 00	1.704E 00	1.237E 00	-5.516E-02	-5.886E-02	1.215E 00	1.1E 01	1.0
79.000	6.2434	0.06815	1.3E 00	1.768E 00	1.254E 00	-5.663F-02	-5.850E-02	1.231E 00	1.1E 01	1.0
80.000	6.1974	0.06725	1.3E 00	1.818E 00	1.271E 00	-5.734E-02	-5.812E-02	1.247E 00	1.1E 01	1.0
81.000	6.1475	0.06630	1.3E 00	2.316E 00	1.293E 00	-6.808E-02	-8.290E-02	1.266E 00	1.5E 01	1.0
82.000	6.0919	0.06526	1.3E 00	2.308E 00	1.318E 00	-7.405E-02	-8.230E-02	1.287E 00	1.5E 01	1.0
83.000	6.0336	0.06416	1.4E 00	2.502E 00	1.343E 00	-7.725E-02	-8.164E-02	1.310E 00	1.5E 01	1.0
84.000	5.9714	0.06296	1.4E 00	3.085E 00	1.375E 00	-8.749E-02	-1.016E-01	1.337E 00	1.8E 01	1.0
85.000	5.9048	0.06146	1.5E 00	4.024E 00	1.427E 00	-9.317E-02	-1.007E-01	1.375E 00	1.8E 01	1.0
86.000	5.8332	0.05979	1.5E 00	4.219E 00	1.464E 00	-1.062E-01	-1.241E-01	1.412E 00	1.8E 01	1.0
87.000	5.7567	0.05820	1.5E 00	4.285E 00	1.507E 00	-1.130E-01	-1.226E-01	1.451L 00	1.8E 01	1.0
88.000	5.6787	0.05666	1.5E 00	4.413E 00	1.549E 00	-1.163E-01	-1.210E-01	1.491E 00	1.8E 01	1.0
89.000	5.5979	0.05507	1.6E 00	5.162E 00	1.602E 00	-1.281E-01	-1.451E-01	1.536E 00	2.0E 01	1.0
90.000	5.5139	0.05343	1.6E 00	5.410E 00	1.655E 00	-1.341E-01	-1.429E-01	1.583E 00	2.0E 01	1.0
91.00	5.4273	0.05178	1.6E 00	6.018E 00	1.714E 00	-1.445E-01	-1.601E-01	1.635E 00	2.0E 01	2.0
91.20	5.4096	0.01016	1.6E 00	6.360E 00	1.753E 00	-1.457E-01	-1.568E-01	1.666E 00	2.0E 01	2.0
91.40	5.3919	0.01009	1.6E 00	6.460E 00	1.766E 00	-1.467E-01	-1.562E-01	1.658E 00	2.0E 01	2.0
91.600	5.3742	0.01002	1.6E 00	6.554E 00	1.779E 00	-1.475E-01	-1.555E-01	1.649E 00	2.0E 01	2.0
91.800	5.3566	0.00995	1.7E 00	6.642E 00	1.792E 00	-1.482E-01	-1.549E-01	1.680E 00	2.0E 01	1.0

92.000	5.3390	0.00988	1.7E 00	6.725E 00	1.806E 00	1.692E 00	-1.488E-01	-1.542E-01	2.0	1.0
92.200	5.3214	0.00982	1.7E 00	6.804E 00	1.819E 00	1.704E 00	-1.492E-01	-1.535E-01	2.0	1.0
92.400	5.3039	0.00975	1.7E 00	6.879E 00	1.832E 00	1.716E 00	-1.496E-01	-1.529E-01	2.0	1.0
92.600	5.2865	0.00968	1.7E 00	6.950E 00	1.845E 00	1.727E 00	-1.499E-01	-1.522E-01	2.0	1.0
92.800	5.2693	0.00961	1.7E 00	7.130E 00	1.860E 00	1.740E 00	-1.495E-01	-1.454E-01	2.0	1.0
93.000	5.2522	0.00955	1.7E 00	7.293E 00	1.875E 00	1.752E 00	-1.490E-01	-1.445E-01	2.0	1.0
93.200	5.2352	0.00948	1.7E 00	7.443E 00	1.890E 00	1.765E 00	-1.485E-01	-1.437E-01	2.0	1.0
93.400	5.2185	0.00941	1.7E 00	7.580E 00	1.905E 00	1.777E 00	-1.480E-01	-1.428E-01	2.0	1.0
93.600	5.2019	0.00934	1.7E 00	7.706E 00	1.921E 00	1.790E 00	-1.475E-01	-1.420E-01	2.0	1.0
93.800	5.1856	0.00927	1.7E 00	7.919E 00	1.937E 00	1.804E 00	-1.460E-01	-1.310E-01	2.0	1.0
94.000	5.1696	0.00921	1.7E 00	8.069E 00	1.953E 00	1.817E 00	-1.446E-01	-1.300E-01	2.0	1.0
94.200	5.1538	0.00914	1.7E 00	8.209E 00	1.969E 00	1.831E 00	-1.432E-01	-1.291E-01	2.0	1.0
94.400	5.1383	0.00907	1.8E 00	8.422E 00	1.986E 00	1.845E 00	-1.412E-01	-1.212E-01	2.0	1.0
94.600	5.1232	0.00900	1.8E 00	8.632E 00	2.003E 00	1.859E 00	-1.380E-01	-1.145E-01	2.0	1.0
94.800	5.1085	0.00893	1.8E 00	8.859E 00	2.021E 00	1.874E 00	-1.359E-01	-1.060E-01	2.0	1.0
95.000	5.0942	0.00886	1.8E 00	9.094E 00	2.039E 00	1.889E 00	-1.332E-01	-9.719E-02	2.0	1.0
95.200	5.0804	0.00879	1.8E 00	9.225E 00	2.056E 00	1.904E 00	-1.292E-01	-9.617E-02	2.0	1.0
95.400	5.0671	0.00872	1.8E 00	9.587E 00	2.075E 00	1.919E 00	-1.249E-01	-9.179E-02	3.0	1.0
95.600	5.0544	0.00865	1.8E 00	9.699E 00	2.094E 00	1.935E 00	-1.209E-01	-8.077E-02	3.0	1.0
95.800	5.0422	0.00858	1.9E 00	1.019E 01	2.113E 00	1.951E 00	-1.152E-01	-5.743E-02	3.0	1.0
96.000	5.0307	0.00851	1.9E 00	1.027E 01	2.132E 00	1.967E 00	-1.099E-01	-5.639E-02	3.0	1.0
96.200	5.0198	0.00844	1.9E 00	1.036E 01	2.151E 00	1.984E 00	-1.051E-01	-5.540E-02	3.0	1.0
96.400	5.0097	0.00836	1.9E 00	1.131E 01	2.173E 00	2.001E 00	-9.674E-02	-1.351E-02	3.0	1.0
96.600	5.0005	0.00829	1.9E 00	1.131E 01	2.193E 00	2.018E 00	-8.915E-02	-1.249E-02	3.0	1.0
96.800	4.9920	0.00822	1.9E 00	1.133E 01	2.214E 00	2.036E 00	-8.221E-02	-1.156E-02	3.0	1.0
97.000	4.9843	0.00815	1.9E 00	1.137E 01	2.234E 00	2.053E 00	-7.587E-02	-1.072E-02	3.0	1.0
97.200	4.9772	0.00808	1.9E 00	1.143E 01	2.255E 00	2.071E 00	-7.005E-02	-9.940E-03	3.0	1.0
97.400	4.9711	0.00801	2.0E 00	1.333E 01	2.277E 00	2.090C 00	-5.751F-02	6.687E-02	3.0	1.0
97.600	4.9661	0.00794	2.0E 00	1.314E 01	2.299E 00	2.109E 00	-4.619F-02	6.763E-02	3.0	1.0
97.800	4.9622	0.00787	2.0E 00	1.301E 01	2.321E 00	2.128E 00	-3.596E-02	6.823E-02	3.0	1.0
98.000	4.9593	0.00780	2.0E 00	1.292E 01	2.343E 00	2.147C 00	-2.671E-02	6.871E-02	3.0	1.0
98.200	4.9572	0.00773	2.0E 00	1.287E 01	2.365E 00	2.166E 00	-1.832F-02	6.907E-02	3.0	1.0
98.400	4.9563	0.00766	2.1E 00	1.567E 01	2.389C 00	2.187E 00	-1.007E-03	1.691E-01	3.0	1.0
98.600	4.9569	0.00759	2.1E 00	1.517E 01	2.412C 00	2.207E 00	1.437C-02	1.692E-01	2.0	1.0
98.800	4.9589	0.00752	2.1C 00	1.485E 01	2.435E 00	2.227E 00	2.81ME-02	1.691E-01	3.0	1.0
99.000	4.9619	0.00745	2.1E 00	1.457E 01	2.458E 00	2.248E 00	4.054C-02	1.688E-01	3.0	1.0
99.200	4.9660	0.00738	2.1E 00	1.436E 01	2.481E 00	2.268E 00	5.163F-02	1.644E-01	3.0	1.0
99.400	4.9714	0.00731	2.2E 00	1.705E 01	2.504L 00	2.289E 00	7.073J-02	2.618E-01	3.0	1.0
99.600	4.9783	0.00725	2.2E 00	1.644E 01	2.527E 00	2.311E 00	8.764E-02	2.609E-01	3.0	1.0
99.800	4.9868	0.00718	2.2E 00	1.836F 01	2.551F 00	2.333E 00	1.094F-01	3.292E-01	3.0	1.0
100.000	4.9970	0.00711	2.2E 00	1.755E 01	2.574E 00	2.354E 00	1.292E-01	3.276E-01	3.0	1.0
100.200	5.0086	0.00705	2.2E 00	1.689E 01	2.597E 00	2.376E 00	1.464E-01	3.258E-01	3.0	1.0
100.400	5.0219	0.00698	2.3E 00	1.900E 01	2.620E 00	2.398E 00	1.693E-01	3.997E-01	3.0	1.0
100.600	5.0368	0.00692	2.3E 00	1.810E 01	2.644E 00	2.419C 00	1.893E-01	3.971E-01	3.0	1.0
100.800	5.0534	0.00686	2.3E 00	2.044E 01	2.666E 00	2.442E 00	2.155E-01	4.760E-01	3.0	1.0
101.000	5.0719	0.00680	2.3E 00	1.929E 01	2.689E 00	2.464E 00	2.382E-01	4.733E-01	3.0	1.0
101.200	5.0920	0.00674	2.2E 00	1.833E 01	2.712E 00	2.485C 00	2.582E-01	4.694E-01	3.0	1.0
101.400	5.1137	0.00668	2.4C 00	2.085E 01	2.734E 00	2.507E 00	2.845E-01	5.538E-01	3.0	1.0
101.600	5.1372	0.00662	2.3E 00	1.961E 01	2.756E 00	2.529E 00	3.075E-01	5.489E-01	3.0	1.0
101.800	5.1625	0.00656	2.4E 00	2.116F 01	2.777C 00	2.551E 00	3.342F-01	6.103E-01	3.0	1.0
102.000	5.1896	0.00651	2.4E 00	2.101E 01	2.799E 00	2.572E 00	3.603E-01	6.336E-01	3.0	1.0
102.200	5.2185	0.00645	2.4E 00	2.129E 01	2.820E 00	2.594E 00	3.870E-01	6.668E-01	3.0	1.0
102.400	5.2493	0.00640	2.4E 00	2.156E 01	2.841E 00	2.615E 00	4.142E-01	7.002E-01	3.0	1.0
102.600	5.2818	0.00635	2.4E 00	2.137E 01	2.862E 00	2.637E 00	4.407E-01	7.231E-01	3.0	1.0
102.800	5.3163	0.00630	2.5E 00	2.347E 01	2.882E 00	2.658E 00	4.722E-01	7.992E-01	3.0	1.0
103.000	5.3527	0.00625	2.4E 00	2.167E 01	2.902E 00	2.679E 00	4.992E-01	7.897E-01	3.0	1.0
103.200	5.3909	0.00620	2.4E 00	2.191E 01	2.923E 00	2.700E 00	5.265E-01	8.227E-01	3.0	1.0
103.400	5.4308	0.00615	2.4E 00	2.309E 01	2.953E 00	2.721E 00	5.560E-01	8.702E-01	3.0	1.0
103.600	5.4724	0.00610	2.4E 00	2.160E 01	2.980E 00	2.743E 00	5.811E-01	8.594E-01	3.0	1.0
103.800	5.5153	0.00605	2.3E 00	1.887E 01	3.00AE 00	2.764E 00	5.9AAE-01	8.066E-01	2.0	1.0
104.000	5.5590	0.00601	2.3E 00	1.859E 01	3.037E 00	2.785C 00	6.149F-01	8.066E-01	2.0	1.0
104.200	5.6035	0.00596	2.2E 00	1.840E 01	3.065E 00	2.806E 00	6.295E-01	8.066E-01	2.0	1.0
104.400	5.6492	0.00591	2.5E 00	2.392E 01	3.092E 00	2.830E 00	6.576E-01	9.662E-01	2.0	1.0
104.600	5.6964	0.00586	2.4E 00	2.295E 01	3.120E 00	2.854E 00	6.828E-01	9.662E-01	3.0	1.0
104.800	5.7448	0.00582	2.4E 00	2.210E 01	3.148E 00	2.877E 00	7.054E-01	9.662E-01	2.0	1.0
105.000	5.7944	0.00577	2.4E 00	2.147E 01	3.176E 00	2.901E 00	7.258E-01	9.662E-01	2.0	1.0

105.200	5.8448	0.00572	2.4E 00	2.096E 01	3.204E 00	2.924E 00	7.443E-01	9.662E-01	2.0	1.0
105.400	5.8969	0.00567	2.7E 00	2.929E 01	3.229E 00	2.950E 00	7.831E-01	1.192E 00	3.0	1.0
105.600	5.9509	0.00562	2.6E 00	2.[illegible]2E 01	3.256E 00	2.976E 00	8.174E-01	1.192E 00	3.0	1.0
105.800	6.0066	0.00558	2.6E 00	2.621E 01	3.282E 00	3.001E 00	8.460E-01	1.192E 00	3.0	1.0
106.000	6.0636	0.00550	2.9E 00	3.677E 01	3.591E 00	3.055E 00	8.795E-01	1.190E 00	3.0	1.0
106.200	6.1216	0.00541	2.8E 00	3.387E 01	3.607E 00	3.104E 00	9.057E-01	1.178E 00	3.0	1.0
106.400	6.1811	0.00533	3.1E 00	4.012E 01	3.621E 00	3.152E 00	9.552E-01	1.441E 00	3.0	1.0
106.600	6.2426	0.00525	2.9E 00	3.658E 01	3.636E 00	3.194E 00	9.968E-01	1.429E 00	3.0	1.0
106.800	6.3058	0.00519	2.8E 00	3.354E 01	3.651E 00	3.232E 00	1.032E 00	1.416E 00	3.0	1.0
107.000	6.3702	0.00513	2.7E 00	3.083E 01	3.666E 00	3.267E 00	1.062E 00	1.403E 00	2.0	1.0
107.200	6.4356	0.00508	2.7E 00	2.857E 01	3.680E 00	3.299E 00	1.087E 00	1.389E 00	2.0	1.0
107.400	6.5019	0.00503	2.6E 00	2.661E 01	3.695E 00	3.328E 00	1.108E 00	1.375E 00	2.0	1.0
107.600	6.5687	0.00499	2.5E 00	2.489E 01	3.710E 00	3.356E 00	1.126E 00	1.361E 00	2.0	1.0
107.800	6.6360	0.00495	2.5E 00	2.341E 01	3.725E 00	3.381E 00	1.142E 00	1.347E 00	2.0	1.0
108.000	6.7037	0.00491	2.4E 00	2.213E 01	3.740E 00	3.406E 00	1.155E 00	1.333E 00	2.0	1.0
108.200	6.7716	0.00488	2.4E 00	2.102E 01	3.754E 00	3.429E 00	1.166E 00	1.319E 00	2.0	1.0
108.400	6.8399	0.00484	2.4E 00	2.303E 01	3.775E 00	3.452E 00	1.182E 00	1.409E 00	2.0	1.0
108.600	6.9086	0.00481	2.4E 00	2.232E 01	3.793E 00	3.475E 00	1.197E 00	1.409E 00	2.0	1.0
108.800	6.9776	0.00478	2.4E 00	2.169E 01	3.812E 00	3.497E 00	1.211E 00	1.409E 00	2.0	1.0
109.000	7.0470	0.00475	2.4E 00	2.115E 01	3.830E 00	3.519E 00	1.224E 00	1.409E 00	2.0	1.0
109.200	7.1167	0.00472	2.3E 00	2.067E 01	3.849E 00	3.540E 00	1.236E 00	1.409E 00	2.0	1.0
109.400	7.1866	0.00469	2.3E 00	2.025E 01	3.867E 00	3.560E 00	1.246E 00	1.409E 00	2.0	1.0
109.600	7.2568	0.00467	2.3E 00	1.988E 01	3.886E 00	3.580E 00	1.257E 00	1.409E 00	2.0	1.0
109.800	7.3270	0.00464	2.3E 00	1.957E 01	3.904E 00	3.600E 00	1.266E 00	1.409E 00	2.0	1.0
110.000	7.3974	0.00462	2.3E 00	1.929E 01	3.923E 00	3.620E 00	1.275E 00	1.409E 00	2.0	1.0
110.200	7.4678	0.00459	2.3E 00	1.906E 01	3.941E 00	3.639E 00	1.283E 00	1.409E 00	2.0	1.0
111.200	7.8411	0.02305	2.5E 00	2.373E 01	3.474E 00	3.591E 00	1.417E 00	1.745E 00	3.0	1.0
112.200	8.2682	0.02413	3.0E 00	3.895E 01	2.818E 00	3.316E 00	1.533E 00	1.745E 00	3.0	1.0
113.200	8.7774	0.02695	3.3E 00	4.829E 01	2.251E 00	2.868E 00	1.616E 00	1.729E 00	4.0	1.0
114.200	9.4232	0.03287	3.5E 00	5.475E 01	1.569E 00	2.203E 00	1.659E 00	1.700E 00	4.0	1.0
114.307	9.5000	0.00386	4.9E 00	1.079E 02	4.220E 00	2.419E 00	1.657E 00	1.647E 00	7.0	-1.0
115.271	10.0000	0.02536	5.0E 00	1.116E 02	5.142E 00	3.915E 00	1.628E 00	1.604E 00	4.0	-1.0
116.583	10.5000	0.02608	3.6E 00	5.685E 01	5.194E 00	4.471E 00	1.568E 00	1.489E 00	4.0	-1.0
117.474	10.8000	0.01620	3.2E 00	4.316E 01	5.331E 00	4.698E 00	1.518E 00	1.379E 00	3.0	-1.0
118.124	11.0000	0.01130	3.4E 00	4.996E 01	5.590E 00	4.880E 00	1.432E 00	1.099E 00	3.0	-1.0

VDYWM = 1.3693E 00 VDXWM = 5.0405E 00

119.124	11.2717	0.01653	3.5E 00	5.580E 01	5.799E 00	5.201E 00	1.306E 00	1.071E 00	27.0	1.0
120.124	11.5136	0.01584	2.7E 00	3.050E 01	5.731E 00	5.323E 00	1.240E 00	1.017E 00	3.0	1.0
121.124	11.7124	0.01548	3.7E 00	6.011E 01	5.735E 00	5.442E 00	9.001E-01	6.558E-02	3.0	1.0
122.124	11.8584	0.01524	3.1E 00	4.193E 01	5.655E 00	5.495E 00	6.964E-01	7.982E-02	3.0	1.0
123.124	11.9729	0.01514	2.7E 00	3.077E 01	5.575E 00	5.513E 00	5.637E-01	9.027E-02	3.0	1.0
124.124	12.0668	0.01512	2.5E 00	2.367E 01	5.495E 00	5.509E 00	4.707E-01	9.847E-02	3.0	1.0
125.124	12.1447	0.01514	2.4E 00	2.210E 01	5.442E 00	5.496E 00	3.869E-01	4.221E-02	3.0	1.0
126.124	12.2095	0.01519	2.2E 00	1.815E 01	5.406E 00	5.480E 00	3.241E-01	4.476E-02	3.0	1.0
127.124	12.2643	0.01523	2.1E 00	1.536E 01	5.370E 00	5.460E 00	2.756E-01	4.688E-02	3.0	1.0
128.124	12.3114	0.01529	2.0E 00	1.343E 01	5.334E 00	5.439E 00	2.373E-01	4.868E-02	3.0	1.0
129.124	12.3523	0.01535	2.0E 00	1.215E 01	5.298E 00	5.416E 00	2.066E-01	5.022E-02	3.0	1.0
130.124	12.3882	0.01542	1.9E 00	1.135E 01	5.262E 00	5.391E 00	1.815E-01	5.156E-02	3.0	1.0
131.124	12.4200	0.01550	1.9E 00	1.088E 01	5.226E 00	5.365E 00	1.608E-01	5.274E-02	3.0	1.0
132.124	12.4485	0.01557	1.9E 00	1.065E 01	5.190E 00	5.336E 00	1.436E-01	5.378E-02	3.0	1.0
133.124	12.4737	0.01566	1.9E 00	1.077E 01	5.165E 00	5.309E 00	1.247E-01	2.711E-02	3.0	1.0
134.124	12.4958	0.01574	1.8E 00	9.816E 00	5.147E 00	5.283E 00	1.093E-01	2.752E-02	3.0	1.0
135.124	12.5153	0.01581	1.8E 00	9.076E 00	5.129E 00	5.259E 00	9.659E-02	2.788E-02	3.0	1.0
136.124	12.5327	0.01588	1.8E 00	8.499E 00	5.111E 00	5.236E 00	8.605E-02	2.820E-02	3.0	1.0
137.124	12.5483	0.01595	1.7E 00	8.050E 00	5.093E 00	5.215E 00	7.725E-02	2.848E-02	3.0	1.0
138.124	12.5625	0.01601	1.7E 00	7.698E 00	5.075E 00	5.193E 00	6.988E-02	2.874E-02	3.0	1.0
139.124	12.5753	0.01608	1.7E 00	7.423E 00	5.057E 00	5.173E 00	6.370E-02	2.897E-02	3.0	1.0
140.124	12.5872	0.01614	1.7E 00	7.206E 00	5.039E 00	5.153E 00	5.850E-02	2.918E-02	3.0	1.0

-0. 6.50000 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	6.4996	0.08342	1.1E 00	2.212E-01	9.963E-01	9.980E-01	-8.231E-04	-1.266E-03	1.0	1.0
2.000	6.4986	0.08353	1.0E 00	7.978E-02	9.967E-01	9.973E-01	-1.199E-03	-1.266E-03	1.0	1.0
3.000	6.4973	0.08356	1.0E 00	1.535E-02	9.971E-01	9.972E-01	-1.380E-03	-1.265E-03	1.0	1.0
4.000	6.4959	0.08356	1.0E 00	1.571E-02	9.974E-01	9.973E-01	-1.412E-03	-1.265E-03	1.0	1.0
5.000	6.4945	0.08355	1.0E 00	2.998E-02	9.978E-01	9.976E-01	-1.412E-03	-1.265E-03	1.0	1.0

6.000	6.4930	0.08352	1.0E 00	3.672E-02	9.979E-01	-1.481E-03	-1.334E-03	1.00	1.00
7.000	6.4915	0.08349	1.0E 00	4.161E-02	9.980E-01	-1.481F-03	-1.334E-03	1.00	1.00
8.000	6.4900	0.08346	1.0E 00	4.365F-02	9.980E-01	-1.481F-03	-1.334E-03	1.00	1.00
9.000	6.4886	0.08343	1.0E 00	4.464E-02	9.981E-01	-1.481F-03	-1.333E-03	1.00	1.00
10.000	6.4871	0.08339	1.0E 00	4.513E-02	9.982E-01	-1.481F-03	-1.333E-03	1.00	1.00
11.000	6.4855	0.08336	1.0E 00	4.578E-02	9.983E-01	-1.481F-03	-1.472E-03	1.00	1.00
12.000	6.4839	0.08333	1.0E 00	4.839E-02	9.984E-01	-1.619E-03	-1.472E-03	1.00	1.00
13.000	6.4823	0.08329	1.0E 00	4.929E-02	1.001E 00	-1.619E-03	-1.471E-03	1.00	1.00
14.000	6.4807	0.08325	1.0E 00	4.974E-02	1.001E 00	-1.619E-03	-1.471E-03	1.00	1.00
15.000	6.4791	0.08322	1.0E 00	4.997E-02	1.002E 00	-1.619E-03	-1.470E-03	1.00	1.00
16.000	6.4774	0.08318	1.0E 00	5.141E-02	1.002E 00	-1.801E-03	-1.690E-03	1.00	1.00
17.000	6.4755	0.08314	1.0E 00	5.446E-02	1.003E 00	-1.835E-03	-1.689E-03	1.00	1.00
18.000	6.4737	0.08310	1.0E 00	5.608E-02	1.003E 00	-1.835E-03	-1.689E-03	1.00	1.00
19.000	6.4719	0.08306	1.0E 00	5.675E-02	1.004E 00	-1.835F-03	-1.688E-03	1.00	1.00
20.000	6.4701	0.08301	1.0E 00	5.709E-02	1.004E 00	-1.835F-03	-1.688E-03	1.00	1.00
21.000	6.4681	0.08297	1.0E 00	6.012E-02	1.005E 00	-2.064F-03	-2.005E-03	1.00	1.00
22.000	6.4660	0.08292	1.0E 00	6.356E-02	1.005E 00	-2.150F-03	-2.004E-03	1.00	1.00
23.000	6.4639	0.08288	1.0E 00	6.597E-02	1.006E 00	-2.150E-03	-2.004E-03	1.00	1.00
24.000	6.4617	0.08283	1.0E 00	6.693F-02	1.006E 00	-2.150E-03	-2.003E-03	1.00	1.00
25.000	6.4596	0.08278	1.0E 00	6.741F-02	1.007E 00	-2.150E-03	-2.002E-03	1.00	1.00
26.000	6.4573	0.08273	1.0E 00	7.286E-02	1.008E 00	-2.447E-03	-2.446E-03	1.00	1.00
27.000	6.4548	0.08267	1.0E 00	7.664E-02	1.008E 00	-2.591E-03	-2.445E-03	1.00	1.00
28.000	6.4523	0.08261	1.0E 00	7.984E-02	1.009E 00	-2.591E-03	-2.444E-03	1.00	1.00
29.000	6.4497	0.08255	1.0E 00	8.118E-02	1.010E 00	-2.591E-03	-2.443E-03	1.00	1.00
30.000	6.4471	0.08249	1.0E 00	8.185E-02	1.011E 00	-2.591E-03	-2.442E-03	1.00	1.00
31.000	6.4444	0.08243	1.0E 00	9.082E-02	1.011E 00	-2.973E-03	-3.053E-03	1.00	1.00
32.000	6.4413	0.08237	1.0E 00	9.492E-02	1.012E 00	-3.158E-03	-3.052E-03	1.00	1.00
33.000	6.4382	0.08229	1.0E 00	9.881E-02	1.013E 00	-3.196F-03	-3.051E-03	1.00	1.00
34.000	6.4350	0.08222	1.0E 00	1.008E-01	1.014E 00	-3.196E-03	-3.049E-03	1.00	1.00
35.000	6.4319	0.08215	1.0E 00	1.017E-01	1.015E 00	-3.196E-03	-3.048E-03	1.00	1.00
36.000	6.4285	0.08207	1.1E 00	1.159F-01	1.016E 00	-3.696E-03	-3.889E-03	1.00	1.00
37.000	6.4247	0.08199	1.1E 00	1.203E-01	1.017E 00	-3.939E-03	-3.887E-03	1.00	1.00
38.000	6.4208	0.08190	1.1E 00	1.250F-01	1.018E 00	-4.029F-03	-3.885E-03	1.00	1.00
39.000	6.4169	0.08180	1.1E 00	1.270F-01	1.019E 00	-4.029F-03	-3.883E-03	1.00	1.00
40.000	6.4129	0.08171	1.1E 00	1.291E-01	1.020E 00	-4.029F-03	-3.881E-03	1.00	1.00
41.000	6.4087	0.08161	1.1E 00	1.507E-01	1.022E 00	-4.696F-03	-5.046E-03	1.00	1.00
42.000	6.4039	0.08151	1.1E 00	1.554E-01	1.023E 00	-5.014E-03	-5.043E-03	1.00	1.00
43.000	6.3989	0.08139	1.1E 00	1.613E-01	1.024E 00	-5.172E-03	-5.041E-03	1.00	1.00
44.000	6.3939	0.08127	1.1E 00	1.650E-01	1.025E 00	-5.179E-03	-5.039E-03	1.00	1.00
45.000	6.3888	0.08115	1.1E 00	1.668E-01	1.026E 00	-5.179F-03	-5.036E-03	1.00	1.00
46.000	6.3834	0.08103	1.1E 00	1.999E-01	1.028E 00	-5.179F-03	-5.032E-03	1.00	1.00
47.000	6.3772	0.08089	1.1E 00	2.045E-01	1.029E 00	-6.090E-03	-6.666E-03	1.00	1.00
48.000	6.3708	0.08074	1.1E 00	2.121E-01	1.031E 00	-6.527F-03	-6.661E-03	1.00	1.00
49.000	6.3643	0.08059	1.1E 00	2.169E-01	1.033E 00	-6.735E-03	-6.655E-03	1.00	1.00
50.000	6.3577	0.08044	1.1E 00	2.195E-01	1.035E 00	-6.790E-03	-6.648E-03	1.00	1.00
51.000	6.3507	0.08030	1.1E 00	1.983E-01	1.037E 00	-6.790E-03	-6.642E-03	1.00	1.00
52.000	6.3430	0.08015	1.1E 00	2.291E-01	1.039E 00	-7.723E-03	-8.974E-03	2.00	1.00
53.000	6.3349	0.07999	1.1E 00	2.534F-01	1.041E 00	-8.300E-03	-8.965E-03	2.00	1.00
54.000	6.3265	0.07980	1.1E 00	2.699E-01	1.043E 00	-8.639F-03	-8.954E-03	2.00	1.00
55.000	6.3180	0.07961	1.1E 00	2.806E-01	1.045E 00	-8.868E-03	-8.944E-03	2.00	1.00
56.000	6.3087	0.07941	1.1E 00	3.357E-01	1.048E 00	-8.997E-03	-8.933E-03	2.00	1.00
57.000	6.2984	0.07917	1.1E 00	3.820E-01	1.051E 00	-1.037E-02	-1.233E-02	2.00	1.00
58.000	6.2875	0.07892	1.1E 00	3.603E-01	1.054E 00	-1.129E-02	-1.231E-02	2.00	1.00
59.000	6.2763	0.07867	1.1E 00	3.777E-01	1.058E 00	-1.177E-02	-1.229E-02	2.00	1.00
60.000	6.2648	0.07841	1.1E 00	3.892E-01	1.061E 00	-1.207E-02	-1.227E-02	2.00	1.00
61.000	6.2523	0.07812	1.1E 00	5.125E-01	1.065E 00	-1.224E-02	-1.225E-02	2.00	1.00
62.000	6.2382	0.07779	1.1E 00	5.200E-01	1.069E 00	-1.446E-02	-1.732E-02	3.00	1.00
63.000	6.2232	0.07745	1.1E 00	5.355E-01	1.074E 00	-1.575E-02	-1.729E-02	3.00	1.00
64.000	6.2078	0.07710	1.1E 00	5.081E-01	1.080E 00	-1.686E-02	-1.726E-02	3.00	1.00
65.000	6.1922	0.07676	1.1E 00	5.330E-01	1.085E 00	-1.708E-02	-1.718E-02	2.00	1.00
66.000	6.1750	0.07638	1.2E 00	7.310E-01	1.091E 00	-2.047E-02	-2.494E-02	3.00	1.00
67.000	6.1554	0.07594	1.2E 00	7.406E-01	1.096E 00	-2.241E-02	-2.488E-02	3.00	1.00
68.000	6.1346	0.07547	1.2E 00	7.650E-01	1.102E 00	-2.351E-02	-2.481E-02	3.00	1.00
69.000	6.1132	0.07499	1.2E 00	7.859E-01	1.108E 00	-2.412E-02	-2.473E-02	3.00	1.00
70.000	6.0915	0.07450	1.2E 00	8.013E-01	1.115E 00	-2.445E-02	-2.466E-02	3.00	1.00
71.000	6.0674	0.07398	1.2E 00	1.047E 00	1.122E 00	-2.974E-02	-3.606E-02	3.00	1.00
					1.131E 00				
					1.142E 00				

	[illegible]	[illegible]	1.2E 00	1.047E 00	1.142E 00	1.131E 00	-2.974E-02	-3.684E-02	3.0	1.0
72.000	6.0399	0.07339	1.2E 00	1.070E 00	1.154E 00	1.140E 00	-3.275E-02	-3.671E-02	3.0	1.0
73.000	6.0106	0.07276	1.2E 00	1.116E 00	1.165E 00	1.150E 00	-3.443E-02	-3.656E-02	3.0	1.0
74.000	5.9804	0.07210	1.2E 00	1.155E 00	1.176E 00	1.161E 00	-3.535E-02	-3.641E-02	3.0	1.0
75.000	5.9499	0.07133	1.3E 00	1.525E 00	1.195E 00	1.176E 00	-3.582E-02	-3.624E-02	3.0	1.0
76.000	5.9161	0.07045	1.3E 00	1.788E 00	1.211E 00	1.190E 00	-4.434E-02	-5.568E-02	3.0	1.0
77.000	5.8771	0.06953	1.3E 00	1.788E 00	1.229E 00	1.207E 00	-4.907E-02	-5.538E-02	3.0	1.0
78.000	5.8356	0.06858	1.3E 00	1.842E 00	1.247E 00	1.224E 00	-5.165E-02	-5.503E-02	3.0	1.0
79.000	5.7932	0.06763	1.3E 00	1.895E 00	1.266E 00	1.241E 00	-5.298E-02	-5.465E-02	3.0	1.0
80.000	5.7505	0.06667	1.3E 00	1.939E 00	1.284E 00	1.259E 00	-5.361E-02	-5.427E-02	3.0	1.0
81.000	5.7044	0.06569	1.3E 00	2.391E 00	1.307E 00	1.279E 00	-6.354E-02	-7.731E-02	3.0	1.0
82.000	5.6530	0.06461	1.4E 00	2.513E 00	1.333E 00	1.301E 00	-6.907E-02	-7.671E-02	3.0	1.0
83.000	5.5992	0.06346	1.4E 00	2.646E 00	1.360E 00	1.325E 00	-7.201E-02	-7.604E-02	3.0	1.0
84.000	5.5420	0.06223	1.4E 00	3.205E 00	1.393E 00	1.353E 00	-8.142E-02	-9.451E-02	3.0	1.0
85.000	5.4806	0.06090	1.4E 00	3.334E 00	1.427E 00	1.383E 00	-8.648E-02	-9.357E-02	3.0	1.0
86.000	5.4146	0.05953	1.5E 00	3.855E 00	1.464E 00	1.417E 00	-9.835E-02	-1.151E-01	3.0	1.0
87.000	5.3438	0.05807	1.5E 00	4.101E 00	1.507E 00	1.453E 00	-1.047E-01	-1.137E-01	3.0	1.0
88.000	5.2717	0.05659	1.5E 00	4.320E 00	1.549E 00	1.492E 00	-1.078E-01	-1.122E-01	3.0	1.0
89.000	5.1970	0.05504	1.6E 00	5.088E 00	1.602E 00	1.536E 00	-1.184E-01	-1.338E-01	3.0	1.0
90.000	5.1193	0.05342	1.6E 00	5.381E 00	1.655E 00	1.584E 00	-1.238E-01	-1.318E-01	3.0	1.0
91.000	5.0397	0.05178	1.6E 00	5.973E 00	1.714E 00	1.635E 00	-1.325E-01	-1.454E-01	3.0	1.0
91.200	5.0235	0.01016	1.6E 00	6.344E 00	1.753E 00	1.646E 00	-1.334E-01	-1.424E-01	2.0	1.0
91.400	5.0073	0.01009	1.6E 00	6.448E 00	1.766E 00	1.658E 00	-1.342E-01	-1.418E-01	2.0	1.0
91.600	4.9911	0.01002	1.6E 00	6.545E 00	1.779E 00	1.669E 00	-1.349E-01	-1.412E-01	2.0	1.0
91.800	4.9750	0.00995	1.7E 00	6.635E 00	1.792E 00	1.680E 00	-1.354E-01	-1.406E-01	2.0	1.0
92.000	4.9589	0.00988	1.7E 00	6.720E 00	1.806E 00	1.692E 00	-1.359E-01	-1.400E-01	2.0	1.0
92.200	4.9428	0.00982	1.7E 00	6.800E 00	1.819E 00	1.704E 00	-1.362E-01	-1.394E-01	2.0	1.0
92.400	4.9269	0.00975	1.7E 00	6.876E 00	1.832E 00	1.716E 00	-1.365E-01	-1.388E-01	2.0	1.0
92.600	4.9110	0.00968	1.7E 00	6.948E 00	1.845E 00	1.727E 00	-1.366E-01	-1.382E-01	2.0	1.0
92.800	4.8953	0.00961	1.7E 00	7.145E 00	1.860E 00	1.740E 00	-1.357E-01	-1.267E-01	2.0	1.0
93.000	4.8798	0.00955	1.7E 00	7.306E 00	1.875E 00	1.752E 00	-1.349E-01	-1.260E-01	2.0	1.0
93.200	4.8645	0.00948	1.7E 00	7.454E 00	1.890E 00	1.765E 00	-1.340E-01	-1.252E-01	2.0	1.0
93.400	4.8495	0.00941	1.7E 00	7.589E 00	1.905E 00	1.777E 00	-1.331E-01	-1.244E-01	2.0	1.0
93.600	4.8346	0.00934	1.7E 00	7.714E 00	1.921E 00	1.790E 00	-1.323E-01	-1.237E-01	2.0	1.0
93.800	4.8200	0.00927	1.7E 00	7.957E 00	1.937E 00	1.804E 00	-1.303E-01	-1.100E-01	2.0	1.0
94.000	4.8057	0.00921	1.7E 00	8.100E 00	1.953E 00	1.817E 00	-1.284E-01	-1.092E-01	2.0	1.0
94.200	4.7917	0.00914	1.7E 00	8.234E 00	1.969E 00	1.831E 00	-1.266E-01	-1.084E-01	2.0	1.0
94.400	4.7781	0.00907	1.8E 00	8.465E 00	1.986E 00	1.845E 00	-1.241E-01	-9.910E-02	2.0	1.0
94.600	4.7648	0.00900	1.8E 00	8.686E 00	2.003E 00	1.859E 00	-1.212E-01	-9.143E-02	2.0	1.0
94.800	4.7520	0.00893	1.8E 00	8.932E 00	2.021E 00	1.874E 00	-1.176E-01	-8.173E-02	2.0	1.0
95.000	4.7397	0.00886	1.8E 00	9.210E 00	2.039E 00	1.889E 00	-1.135E-01	-7.175E-02	3.0	1.0
95.200	4.7280	0.00879	1.8E 00	9.319E 00	2.056E 00	1.904E 00	-1.096E-01	-7.087E-02	3.0	1.0
95.400	4.7168	0.00872	1.8E 00	9.691E 00	2.075E 00	1.920E 00	-1.047E-01	-5.460E-02	3.0	1.0
95.600	4.7061	0.00865	1.8E 00	9.780E 00	2.094E 00	1.935E 00	-1.001E-01	-5.374E-02	3.0	1.0
95.800	4.6962	0.00858	1.9E 00	1.034E 01	2.113E 00	1.951E 00	-9.351E-02	-2.754E-02	3.0	1.0
96.000	4.6869	0.00851	1.9E 00	1.039E 01	2.132E 00	1.968E 00	-8.749E-02	-2.669E-02	3.0	1.0
96.200	4.6784	0.00843	1.9E 00	1.045E 01	2.151E 00	1.984E 00	-8.198E-02	-2.589E-02	3.0	1.0
96.400	4.6706	0.00836	1.9E 00	1.156E 01	2.173E 00	2.001E 00	-7.258E-02	2.073E-02	3.0	1.0
96.600	4.6638	0.00829	1.9E 00	1.151E 01	2.193E 00	2.019E 00	-6.406E-02	2.151E-02	3.0	1.0
96.800	4.6579	0.00822	1.9E 00	1.149E 01	2.214E 00	2.036E 00	-5.632E-02	2.219E-02	3.0	1.0
97.000	4.6527	0.00815	1.9E 00	1.149E 01	2.234E 00	2.054E 00	-4.928E-02	2.278E-02	3.0	1.0
97.200	4.6482	0.00808	1.9E 00	1.152E 01	2.255E 00	2.072E 00	-4.286E-02	2.330E-02	3.0	1.0
97.400	4.6448	0.00801	2.0E 00	1.371E 01	2.277E 00	2.091E 00	-2.899E-02	1.072E-01	3.0	1.0
97.600	4.6426	0.00794	2.0E 00	1.344E 01	2.299E 00	2.110E 00	-1.655E-02	1.077E-01	3.0	1.0
97.800	4.6416	0.00786	2.0E 00	1.324E 01	2.321E 00	2.129E 00	-5.365E-03	1.074E-01	3.0	1.0
98.000	4.6416	0.00779	2.0E 00	1.306E 01	2.343E 00	2.148E 00	4.666E-03	1.081E-01	2.0	1.0
98.200	4.6424	0.00773	2.0E 00	1.297E 01	2.365E 00	2.167E 00	1.371E-02	1.081E-01	2.0	1.0
98.400	4.6445	0.00766	2.1E 00	1.616E 01	2.389E 00	2.188E 00	3.254E-02	2.156E-01	3.0	1.0
98.600	4.6483	0.00758	2.1E 00	1.559E 01	2.412E 00	2.208E 00	4.924E-02	2.152E-01	3.0	1.0
98.800	4.6534	0.00751	2.1E 00	1.514E 01	2.435E 00	2.228E 00	6.408E-02	2.147E-01	3.0	1.0
99.000	4.6597	0.00745	2.1E 00	1.479E 01	2.458E 00	2.249E 00	7.731E-02	2.139E-01	3.0	1.0
99.200	4.6670	0.00738	2.1E 00	1.453E 01	2.481E 00	2.269E 00	8.912E-02	2.130E-01	3.0	1.0
99.400	4.6758	0.00731	2.2E 00	1.747E 01	2.504E 00	2.290E 00	1.095E-01	3.119E-01	3.0	1.0
99.600	4.6861	0.00724	2.2E 00	1.677E 01	2.527E 00	2.312E 00	1.275E-01	3.104E-01	3.0	1.0
99.800	4.6981	0.00718	2.3E 00	1.882E 01	2.551E 00	2.334E 00	1.510E-01	3.822E-01	3.0	1.0
100.000	4.7118	0.00711	2.2E 00	1.791E 01	2.574E 00	2.355E 00	1.716E-01	3.800E-01	3.0	1.0
100.200	4.7271	0.00704	2.2E 00	1.716E 01	2.597E 00	2.377E 00	1.897E-01	3.775E-01	3.0	1.0

XNN1	YMN1	DIM	CK	REN	VOX	VOXWN1	VOYWN1	VOY	KRT	DIRECT
				1.00000	-0.					
100.400	4.7440	0.00698	2.3E 00	1.942E 01	2.620E 00	2.399E 00	2.139E-01	4.549E-01	3.0	1.0
100.600	4.7626	0.00692	2.2E 00	1.842E 01	2.644E 00	2.421E 00	2.346E-01	4.516E-01	3.0	1.0
100.800	4.7830	0.00685	2.4E 00	2.089E 01	2.666E 00	2.443E 00	2.623E-01	5.346E-01	3.0	1.0
101.000	4.8054	0.00679	2.3E 00	1.964E 01	2.689E 00	2.465E 00	2.861E-01	5.303E-01	3.0	1.0
101.200	4.8293	0.00673	2.4E 00	1.859E 01	2.712E 00	2.488E 00	3.068E-01	5.256E-01	3.0	1.0
101.400	4.8550	0.00667	2.4E 00	2.124E 01	2.734E 00	2.508E 00	3.343E-01	6.131E-01	3.0	1.0
101.600	4.8825	0.00662	2.3E 00	1.990E 01	2.756E 00	2.530E 00	3.581E-01	6.073E-01	3.0	1.0
101.800	4.9118	0.00656	2.4E 00	2.152E 01	2.777E 00	2.552E 00	3.858E-01	6.707E-01	3.0	1.0
102.000	4.9429	0.00650	2.4E 00	2.134E 01	2.799E 00	2.574E 00	4.129E-01	6.943E-01	3.0	1.0
102.200	4.9760	0.00645	2.4E 00	2.162E 01	2.820E 00	2.595E 00	4.405E-01	7.282E-01	3.0	1.0
102.400	5.0108	0.00640	2.4E 00	2.188E 01	2.841E 00	2.617E 00	4.685E-01	7.623E-01	3.0	1.0
102.600	5.0475	0.00634	2.4E 00	2.166E 01	2.862E 00	2.638E 00	4.958E-01	7.855E-01	3.0	1.0
102.800	5.0862	0.00629	2.5E 00	2.386E 01	2.882E 00	2.659E 00	5.284E-01	8.642E-01	3.0	1.0
103.000	5.1268	0.00624	2.4E 00	2.195E 01	2.902E 00	2.680E 00	5.562E-01	8.534E-01	3.0	1.0
103.200	5.1692	0.00619	2.4E 00	2.219E 01	2.923E 00	2.701E 00	5.843E-01	8.871E-01	3.0	1.0
103.400	5.2134	0.00615	2.4E 00	2.315E 01	2.953E 00	2.722E 00	6.139E-01	9.302E-01	3.0	1.0
103.600	5.2593	0.00610	2.4E 00	2.180E 01	2.980E 00	2.744E 00	6.391E-01	9.183E-01	3.0	1.0
103.800	5.3061	0.00605	2.2E 00	1.698E 01	3.006E 00	2.764E 00	6.518E-01	8.066E-01	2.0	1.0
104.000	5.3536	0.00601	2.2E 00	1.702E 01	3.037E 00	2.784E 00	6.634E-01	8.066E-01	2.0	1.0
104.200	5.4014	0.00596	2.2E 00	1.709E 01	3.065E 00	2.805E 00	6.741E-01	8.066E-01	2.0	1.0
104.400	5.4501	0.00592	2.4E 00	2.220E 01	3.092E 00	2.829E 00	6.976E-01	8.662E-01	2.0	1.0
104.600	5.5000	0.00587	2.4E 00	2.144E 01	3.120E 00	2.852E 00	7.192E-01	9.662E-01	2.0	1.0
104.800	5.5509	0.00582	2.4E 00	2.089E 01	3.148E 00	2.875E 00	7.385E-01	9.662E-01	2.0	1.0
105.000	5.6027	0.00577	2.3E 00	2.045E 01	3.176E 00	2.898E 00	7.560E-01	9.662E-01	2.0	1.0
105.200	5.6552	0.00573	2.3E 00	2.011E 01	3.204E 00	2.921E 00	7.719E-01	9.662E-01	2.0	1.0
105.400	5.7090	0.00568	2.6E 00	2.817E 01	3.229E 00	2.948E 00	8.078E-01	1.192E 00	3.0	1.0
105.600	5.7647	0.00563	2.6E 00	2.666E 01	3.256E 00	2.973E 00	8.397E-01	1.192E 00	3.0	1.0
105.800	5.8219	0.00558	2.5E 00	2.540E 01	3.282E 00	2.998E 00	8.681E-01	1.192E 00	3.0	1.0
106.000	5.8804	0.00554	2.5E 00	2.428E 01	3.309E 00	3.023E 00	8.936E-01	1.192E 00	3.0	1.0
106.200	5.9400	0.00549	2.5E 00	2.341E 01	3.335E 00	3.047E 00	9.165E-01	1.192E 00	3.0	1.0
106.400	6.0020	0.00549	2.8E 00	3.207E 01	3.027E 00	2.824E 00	9.644E-01	1.467E 00	3.0	1.0
106.600	6.0667	0.00545	3.1E 00	4.241E 01	3.636E 00	3.063E 00	1.013F 00	1.466E 00	3.0	1.0
106.800	6.1331	0.00536	3.0E 00	3.858E 01	3.651E 00	3.138E 00	1.053E 00	1.453E 00	3.0	1.0
107.000	6.2008	0.00527	2.9E 00	3.532E 01	3.666E 00	3.104E 00	1.087E 00	1.439E 00	3.0	1.0
107.200	6.2695	0.00520	2.8E 00	3.244E 01	3.680E 00	3.225E 00	1.115E 00	1.425E 00	2.0	1.0
107.400	6.3389	0.00514	2.7E 00	3.006E 01	3.695E 00	3.262E 00	1.138E 00	1.410E 00	2.0	1.0
107.600	6.4089	0.00508	2.6E 00	2.808E 01	3.710E 00	3.296E 00	1.158E 00	1.396E 00	2.0	1.0
107.800	6.4793	0.00503	2.6E 00	2.622E 01	3.725E 00	3.328E 00	1.174E 00	1.396E 00	2.0	1.0
108.000	6.5500	0.00499	2.5E 00	2.468E 01	3.740E 00	3.357E 00	1.188E 00	1.366E 00	2.0	1.0
108.200	6.6208	0.00494	2.5E 00	2.336E 01	3.754E 00	3.385E 00	1.199F 00	1.351E 00	2.0	1.0
108.400	6.6918	0.00490	2.5E 00	2.407F 01	3.775E 00	3.412E 00	1.214E 00	1.409E 00	2.0	1.0
108.600	6.7631	0.00487	2.5E 00	2.330E 01	3.793E 00	3.438E 00	1.227E 00	1.409E 00	2.0	1.0
108.800	6.8346	0.00483	2.4E 00	2.262E 01	3.812E 00	3.463E 00	1.239F 00	1.409E 00	2.0	1.0
109.000	6.9062	0.00480	2.4E 00	2.203E 01	3.830E 00	3.488E 00	1.251E 00	1.409E 00	2.0	1.0
109.200	6.9780	0.00476	2.4E 00	2.151E 01	3.849E 00	3.511E 00	1.261E 00	1.409E 00	2.0	1.0
109.400	7.0498	0.00473	2.4E 00	2.105E 01	3.867E 00	3.534E 00	1.270E 00	1.409E 00	2.0	1.0
109.600	7.1217	0.00470	2.3E 00	2.064E 01	3.886E 00	3.556E 00	1.279E 00	1.409E 00	2.0	1.0
109.800	7.1937	0.00467	2.3E 00	2.029E 01	3.904F 00	3.578E 00	1.287E 00	1.409E 00	2.0	1.0
110.000	7.2656	0.00464	2.3E 00	1.998E 01	3.923L 00	3.600E 00	1.295E 00	1.407E 00	2.0	1.0
110.200	7.3375	0.00462	2.3E 00	1.971E 01	3.941E 00	3.621E 00	1.302E 00	1.409E 00	2.0	1.0
111.200	7.7168	0.02315	2.4E 00	2.260E 01	3.474E 00	3.578E 00	1.429E 00	1.745E 00	3.0	1.0
		6.75000								
	-0.									
1.000	6.7496	0.08342	1.1E 00	2.221E-01	9.963E-01	9.980E-01	-8.486E-04	-1.313E-03	1.0	1.0
2.000	6.7485	0.08353	1.0E 00	8.016E-02	9.967E-01	9.973E-01	-1.236E-03	-1.313E-03	1.0	1.0
3.000	6.7472	0.08356	1.0E 00	1.550E-02	9.971E-01	9.972E-01	-1.422E-03	-1.313E-03	1.0	1.0
4.000	6.7458	0.08356	1.0E 00	1.560E-02	9.974E-01	9.973E-01	-1.460E-03	-1.313E-03	1.0	1.0
5.000	6.7443	0.08355	1.0E 00	2.998E-02	9.978E-01	9.976E-01	-1.460E-03	-1.312E-03	1.0	1.0
6.000	6.7428	0.08352	1.0E 00	3.671E-02	9.982E-01	9.979E-01	-1.531E-03	-1.304E-03	1.0	1.0
7.000	6.7413	0.08349	1.0E 00	4.161E-02	9.986E-01	9.983E-01	-1.531E-03	-1.304E-03	1.0	1.0
8.000	6.7397	0.08346	1.0E 00	4.365E-02	9.990E-01	9.987E-01	-1.531E-03	-1.304E-03	1.0	1.0
9.000	6.7382	0.08343	1.0E 00	4.464E-02	9.994E-01	9.991E-01	-1.531E-03	-1.303E-03	1.0	1.0
10.000	6.7367	0.08339	1.0E 00	4.513E-02	9.998E-01	9.995E-01	-1.531E-03	-1.303E-03	1.0	1.0
11.000	6.7351	0.08336	1.0E 00	4.578E-02	1.000E 00	9.999E-01	-1.674E-03	-1.527E-03	1.0	1.0
12.000	6.7334	0.08333	1.0E 00	4.839E-02	1.000E 00	1.000E 00	-1.674E-03	-1.527E-03	1.0	1.0
13.000	6.7317	0.08329	1.0E 00	4.930E-02	1.001E 00	1.001E 00	-1.674E-03	-1.526E-03	1.0	1.0

11.000	6.7351	0.08336	1.0E 00	4.578E-02	1.000E 00	9.999E-01	-1.674E-03	-1.383E-03	1.0	1.0
12.000	6.7334	0.08333	1.0E 00	4.839E-02	1.001E 00	1.000E 00	-1.674E-03	-1.527E-03	1.0	1.0
13.000	6.7317	0.08329	1.0E 00	4.930E-02	1.001E 00	1.001E 00	-1.674E-03	-1.526E-03	1.0	1.0
14.000	6.7300	0.08325	1.0E 00	4.974E-02	1.002E 00	1.001E 00	-1.674E-03	-1.526E-03	1.0	1.0
15.000	6.7284	0.08322	1.0E 00	4.997E-02	1.002E 00	1.002E 00	-1.674E-03	-1.525E-03	1.0	1.0
16.000	6.7266	0.08318	1.0E 00	5.145E-02	1.003E 00	1.002E 00	-1.860E-03	-1.753E-03	1.0	1.0
17.000	6.7247	0.08314	1.0E 00	5.444E-02	1.003E 00	1.003E 00	-1.899E-03	-1.752E-03	1.0	1.0
18.000	6.7228	0.08310	1.0E 00	5.608E-02	1.004E 00	1.003E 00	-1.899E-03	-1.752E-03	1.0	1.0
19.000	6.7209	0.08306	1.0E 00	5.675E-02	1.004E 00	1.004E 00	-1.899E-03	-1.751E-03	1.0	1.0
20.000	6.7190	0.08301	1.0E 00	5.709E-02	1.005E 00	1.004E 00	-1.899E-03	-1.751E-03	1.0	1.0
21.000	6.7170	0.08297	1.0E 00	6.023E-02	1.005E 00	1.005E 00	-2.137E-03	-2.080E-03	1.0	1.0
22.000	6.7149	0.08292	1.0E 00	6.354E-02	1.006E 00	1.005E 00	-2.225E-03	-2.079E-03	1.0	1.0
23.000	6.7127	0.08288	1.0E 00	6.597E-02	1.006E 00	1.006E 00	-2.225E-03	-2.078E-03	1.0	1.0
24.000	6.7104	0.08283	1.0E 00	6.693E-02	1.007E 00	1.006E 00	-2.225E-03	-2.078E-03	1.0	1.0
25.000	6.7082	0.08278	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.225E-03	-2.077E-03	1.0	1.0
26.000	6.7059	0.08273	1.0E 00	7.308E-02	1.008E 00	1.008E 00	-2.530E-03	-2.537E-03	1.0	1.0
27.000	6.7033	0.08267	1.0E 00	7.663E-02	1.009E 00	1.008E 00	-2.679E-03	-2.536E-03	1.0	1.0
28.000	6.7006	0.08261	1.0E 00	7.982E-02	1.010E 00	1.009E 00	-2.680E-03	-2.535E-03	1.0	1.0
29.000	6.6980	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-2.680E-03	-2.534E-03	1.0	1.0
30.000	6.6953	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-2.680E-03	-2.533E-03	1.0	1.0
31.000	6.6925	0.08243	1.0E 00	9.121E-02	1.012E 00	1.011E 00	-3.074E-03	-3.166E-03	1.0	1.0
32.000	6.6893	0.08237	1.0E 00	9.495E-02	1.013E 00	1.012E 00	-3.266E-03	-3.165E-03	1.0	1.0
33.000	6.6861	0.08229	1.0E 00	9.879E-02	1.014E 00	1.013E 00	-3.309E-03	-3.164E-03	1.0	1.0
34.000	6.6828	0.08222	1.0E 00	1.008E-01	1.015E 00	1.014E 00	-3.309E-03	-3.162E-03	1.0	1.0
35.000	6.6796	0.08215	1.0E 00	1.017E-01	1.016E 00	1.015E 00	-3.309E-03	-3.161E-03	1.0	1.0
36.000	6.6761	0.08207	1.1E 00	1.165E-01	1.017E 00	1.016E 00	-3.825E-03	-4.033E-03	1.0	1.0
37.000	6.6722	0.08199	1.1E 00	1.203E-01	1.018E 00	1.017E 00	-4.075E-03	-4.031E-03	1.0	1.0
38.000	6.6681	0.08190	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-4.173E-03	-4.028E-03	1.0	1.0
39.000	6.6640	0.08180	1.1E 00	1.278E-01	1.020E 00	1.019E 00	-4.173E-03	-4.026E-03	1.0	1.0
40.000	6.6599	0.08171	1.1E 00	1.291E-01	1.022E 00	1.020E 00	-4.173E-03	-4.024E-03	1.0	1.0
41.000	6.6555	0.08161	1.1E 00	1.516E-01	1.023E 00	1.022E 00	-4.861E-03	-5.231E-03	1.0	1.0
42.000	6.6506	0.08151	1.1E 00	1.555E-01	1.024E 00	1.023E 00	-5.193E-03	-5.227E-03	1.0	1.0
43.000	6.6454	0.08139	1.1E 00	1.613E-01	1.026E 00	1.025E 00	-5.352E-03	-5.224E-03	1.0	1.0
44.000	6.6402	0.08127	1.1E 00	1.650E-01	1.028E 00	1.026E 00	-5.363E-03	-5.220E-03	1.0	1.0
45.000	6.6350	0.08115	1.1E 00	1.668E-01	1.029E 00	1.028E 00	-5.363E-03	-5.216E-03	1.0	1.0
46.000	6.6293	0.08103	1.1E 00	2.013E-01	1.031E 00	1.029E 00	-6.305E-03	-6.909E-03	1.0	1.0
47.000	6.6230	0.08089	1.1E 00	2.047E-01	1.033E 00	1.031E 00	-6.756E-03	-6.903E-03	1.0	1.0
48.000	6.6163	0.08074	1.1E 00	2.121E-01	1.035E 00	1.033E 00	-6.971E-03	-6.897E-03	1.0	1.0
49.000	6.6096	0.08059	1.1E 00	2.169E-01	1.037E 00	1.035E 00	-7.032E-03	-6.890E-03	1.0	1.0
50.000	6.6028	0.08044	1.1E 00	2.195E-01	1.039E 00	1.037E 00	-7.032E-03	-6.884E-03	1.0	1.0
51.000	6.5955	0.08030	1.1E 00	1.998E-01	1.041E 00	1.039E 00	-7.996E-03	-9.297E-03	2.0	1.0
52.000	6.5876	0.08015	1.1E 00	2.295E-01	1.044E 00	1.041E 00	-8.592E-03	-9.288E-03	2.0	1.0
53.000	6.5791	0.07999	1.1E 00	2.535E-01	1.047E 00	1.043E 00	-8.957E-03	-9.277E-03	2.0	1.0
54.000	6.5705	0.07980	1.1E 00	2.699E-01	1.049E 00	1.045E 00	-9.179E-03	-9.266E-03	2.0	1.0
55.000	6.5616	0.07961	1.1E 00	2.806E-01	1.052E 00	1.048E 00	-9.312E-03	-9.255E-03	2.0	1.0
56.000	6.5521	0.07941	1.1E 00	3.378E-01	1.055E 00	1.051E 00	-1.074E-02	-1.277E-02	2.0	1.0
57.000	6.5414	0.07917	1.1E 00	3.827E-01	1.059E 00	1.054E 00	-1.168E-02	-1.275E-02	3.0	1.0
58.000	6.5301	0.07892	1.1E 00	3.605E-01	1.063E 00	1.058E 00	-1.219E-02	-1.273E-02	2.0	1.0
59.000	6.5185	0.07867	1.1E 00	3.777E-01	1.067E 00	1.061E 00	-1.249E-02	-1.271E-02	2.0	1.0
60.000	6.5066	0.07841	1.1E 00	3.892E-01	1.070E 00	1.065E 00	-1.267E-02	-1.269E-02	2.0	1.0
61.000	6.4937	0.07812	1.1E 00	5.161E-01	1.075E 00	1.069E 00	-1.497E-02	-1.794E-02	3.0	1.0
62.000	6.4791	0.07779	1.1E 00	5.210E-01	1.080E 00	1.074E 00	-1.629E-02	-1.790E-02	3.0	1.0
63.000	6.4636	0.07745	1.1E 00	5.358E-01	1.085E 00	1.078E 00	-1.705E-02	-1.787E-02	3.0	1.0
64.000	6.4476	0.07710	1.1E 00	5.081E-01	1.091E 00	1.083E 00	-1.745E-02	-1.783E-02	2.0	1.0
65.000	6.4315	0.07676	1.1E 00	5.330E-01	1.096E 00	1.088E 00	-1.768E-02	-1.779E-02	2.0	1.0
66.000	6.4136	0.07638	1.2E 00	7.368E-01	1.102E 00	1.094E 00	-2.118E-02	-2.581E-02	3.0	1.0
67.000	6.3934	0.07594	1.2E 00	7.423E-01	1.110E 00	1.101E 00	-2.319E-02	-2.574E-02	3.0	1.0
68.000	6.3719	0.07547	1.2E 00	7.654E-01	1.118E 00	1.108E 00	-2.432E-02	-2.567E-02	3.0	1.0
69.000	6.3497	0.07499	1.2E 00	7.859E-01	1.125E 00	1.115E 00	-2.495E-02	-2.559E-02	3.0	1.0
70.000	6.3273	0.07450	1.2E 00	8.013E-01	1.133E 00	1.122E 00	-2.529E-02	-2.551E-02	3.0	1.0
71.000	6.3024	0.07398	1.2E 00	1.057E 00	1.142E 00	1.131E 00	-3.076E-02	-3.810E-02	3.0	1.0
72.000	6.2739	0.07339	1.2E 00	1.072E 00	1.154E 00	1.140E 00	-3.387E-02	-3.797E-02	3.0	1.0
73.000	6.2436	0.07276	1.2E 00	1.117E 00	1.165E 00	1.150E 00	-3.561E-02	-3.782E-02	3.0	1.0
74.000	6.2124	0.07210	1.2E 00	1.155E 00	1.176E 00	1.161E 00	-3.656E-02	-3.765E-02	3.0	1.0
75.000	6.1809	0.07144	1.2E 00	1.184E 00	1.188E 00	1.172E 00	-3.704E-02	-3.749E-02	3.0	1.0
76.000	6.1457	0.07073	1.3E 00	1.615E 00	1.202E 00	1.185E 00	-4.580E-02	-5.761E-02	3.0	1.0
77.000	6.1052	0.06992	1.3E 00	1.631E 00	1.219E 00	1.199E 00	-5.071E-02	-5.732E-02	3.0	1.0
78.000	6.0621	0.06905	1.3E 00	1.703E 00	1.237E 00	1.215E 00	-5.341E-02	-5.699E-02	3.0	1.0
79.000	6.0178	0.06815	1.3E 00	1.768E 00	1.254E 00	1.231E 00	-5.484E-02	-5.664E-02	3.0	1.0

80.000	5.9733	0.06725	1.3E 00	1.818E 00	1.271E 00	1.247E 00	-5.552E-02	-5.628E-02	3.0	1.0
81.000	5.9250	0.06613	1.4E 00	2.847E 00	1.307E 00	1.273E 00	-6.616E-02	-8.020E-02	3.0	1.0
82.000	5.8713	0.06483	1.4E 00	2.761E 00	1.333E 00	1.298E 00	-7.187E-02	-7.950E-02	3.0	1.0
83.000	5.8153	0.06358	1.4E 00	2.777E 00	1.360E 00	1.323E 00	-7.485E-02	-7.888E-02	3.0	1.0
84.000	5.7557	0.06228	1.4E 00	3.280E 00	1.393E 00	1.352E 00	-8.460E-02	-9.808E-02	3.0	1.0
85.000	5.6920	0.06093	1.4E 00	3.371E 00	1.427E 00	1.383E 00	-8.982E-02	-9.710E-02	3.0	1.0
86.000	5.6234	0.05954	1.5E 00	3.889E 00	1.464E 00	1.416E 00	-1.022E-01	-1.176E-01	3.0	1.0
87.000	5.5499	0.05808	1.5E 00	4.114E 00	1.507E 00	1.453E 00	-1.088E-01	-1.182E-01	3.0	1.0
88.000	5.4749	0.05660	1.5E 00	4.325E 00	1.549E 00	1.492E 00	-1.120F-01	-1.166E-01	3.0	1.0
89.000	5.3972	0.05504	1.6E 00	5.104E 00	1.602E 00	1.536E 00	-1.232E-01	-1.395E-01	3.0	1.0
90.000	5.3164	0.05342	1.6E 00	5.385E 00	1.655E 00	1.584E 00	-1.289F-01	-1.373E-01	3.0	1.0
91.000	5.2333	0.05178	1.6E 00	5.989E 00	1.714E 00	1.635E 00	-1.385E-01	-1.527E-01	3.0	1.0
91.200	5.2164	0.01016	1.6E 00	6.348E 00	1.753E 00	1.664E 00	-1.395F-01	-1.496E-01	2.0	1.0
91.400	5.1994	0.01009	1.6E 00	6.450E 00	1.766E 00	1.676E 00	-1.404E-01	-1.490E-01	2.0	1.0
91.600	5.1825	0.01002	1.6E 00	6.546E 00	1.779E 00	1.669E 00	-1.412E-01	-1.483E-01	2.0	1.0
91.800	5.1656	0.00995	1.7E 00	6.636E 00	1.792E 00	1.681E 00	-1.418E-01	-1.477E-01	2.0	1.0
92.000	5.1488	0.00988	1.7E 00	6.721E 00	1.806E 00	1.692E 00	-1.423F-01	-1.471E-01	2.0	1.0
92.200	5.1320	0.00982	1.7E 00	6.800E 00	1.819E 00	1.704E 00	-1.427E-01	-1.464E-01	2.0	1.0
92.400	5.1153	0.00975	1.7E 00	6.876E 00	1.832E 00	1.716E 00	-1.430E-01	-1.458E-01	2.0	1.0
92.600	5.0987	0.00968	1.7E 00	6.947E 00	1.845E 00	1.727E 00	-1.432E-01	-1.452E-01	2.0	1.0
92.800	5.0822	0.00961	1.7E 00	7.135F 00	1.860E 00	1.740E 00	-1.426E-01	-1.360E-01	2.0	1.0
93.000	5.0659	0.00955	1.7E 00	7.297E 00	1.875E 00	1.752E 00	-1.419E-01	-1.352E-01	2.0	1.0
93.200	5.0498	0.00948	1.7E 00	7.446E 00	1.890E 00	1.765E 00	-1.413E-01	-1.344E-01	2.0	1.0
93.400	5.0338	0.00941	1.7E 00	7.583E 00	1.905E 00	1.777E 00	-1.406E-01	-1.336E-01	2.0	1.0
93.600	5.0181	0.00934	1.7E 00	7.709E 00	1.921E 00	1.790E 00	-1.399E-01	-1.328E-01	2.0	1.0
93.800	5.0027	0.00927	1.7E 00	7.936E 00	1.937E 00	1.804E 00	-1.391E-01	-1.205E-01	2.0	1.0
94.000	4.9875	0.00921	1.7E 00	8.083E 00	1.953E 00	1.817E 00	-1.365E-01	-1.196E-01	2.0	1.0
94.200	4.9726	0.00914	1.7E 00	8.220E 00	1.969E 00	1.831E 00	-1.349F-01	-1.188E-01	2.0	1.0
94.400	4.9581	0.00907	1.8E 00	8.442E 00	1.986E 00	1.845E 00	-1.327F-01	-1.101E-01	2.0	1.0
94.600	4.9439	0.00900	1.8E 00	8.657E 00	2.003E 00	1.859E 00	-1.300F-01	-1.030E-01	2.0	1.0
94.800	4.9301	0.00893	1.8E 00	8.893E 00	2.021E 00	1.874E 00	-1.267F-01	-9.387E-02	2.0	1.0
95.000	4.9169	0.00886	1.8E 00	9.137E 00	2.039E 00	1.889E 00	-1.229F-01	-8.446E-02	2.0	1.0
95.200	4.9041	0.00879	1.8E 00	9.258E 00	2.056E 00	1.904E 00	-1.194E-01	-8.351E-02	2.0	1.0
95.400	4.8918	0.00872	1.8E 00	9.640E 00	2.075E 00	1.919E 00	-1.146F-01	-6.819E-02	3.0	1.0
95.600	4.8801	0.00865	1.8E 00	9.741E 00	2.094E 00	1.935E 00	-1.105F-01	-6.724E-02	3.0	1.0
95.800	4.8691	0.00858	1.9E 00	1.027E 01	2.113E 00	1.951E 00	-1.044E-01	-4.248E-02	3.0	1.0
96.000	4.8587	0.00851	1.9E 00	1.033F 01	2.132E 00	1.968E 00	-9.871F-02	-4.153E-02	3.0	1.0
96.200	4.8490	0.00844	1.9E 00	1.041E 01	2.151E 00	1.984E 00	-9.352E-02	-4.064E-02	3.0	1.0
96.400	4.8400	0.00836	1.9E 00	1.143E 01	2.173E 00	2.001E 00	-8.467E-02	-3.624E-03	3.0	1.0
96.600	4.8320	0.00829	1.9E 00	1.141E 01	2.193E 00	2.017E 00	-7.661E-02	4.521E-03	3.0	1.0
96.800	4.8248	0.00822	1.9E 00	1.141E 01	2.214E 00	2.036E 00	-6.927E-02	5.325E-03	3.0	1.0
97.000	4.8184	0.00815	1.9E 00	1.143F 01	2.234E 00	2.054E 00	-6.257E-02	6.047E-03	3.0	1.0
97.200	4.8126	0.00808	1.9E 00	1.147E 01	2.255E 00	2.071E 00	-5.646E-02	6.693E-03	3.0	1.0
97.400	4.8078	0.00801	2.0E 00	1.352E 01	2.277E 00	2.090E 00	-4.325E-02	8.707E-02	3.0	1.0
97.600	4.8043	0.00794	2.0E 00	1.329E 01	2.299E 00	2.109E 00	-3.137E-02	8.766C-02	3.0	1.0
97.800	4.8018	0.00787	2.0E 00	1.312E 01	2.321E 00	2.128E 00	-2.067F-02	8.810E-02	3.0	1.0
98.000	4.8003	0.00780	2.0E 00	1.301E 01	2.343E 00	2.147E 00	-1.100E-02	8.840E-02	3.0	1.0
98.200	4.7997	0.00773	2.0E 00	1.293E 01	2.365E 00	2.167E 00	-2.271F-03	8.858E-02	3.0	1.0
98.400	4.8003	0.00766	2.1E 00	1.586E 01	2.389E 00	2.187E 00	1.572E-02	1.923E-01	2.0	1.0
98.600	4.8025	0.00758	2.1E 00	1.540E 01	2.412E 00	2.208E 00	3.179E-02	1.923E-01	3.0	1.0
98.800	4.8060	0.00751	2.1E 00	1.500E 01	2.435E 00	2.228E 00	4.612E-02	1.919E-01	3.0	1.0
99.000	4.8107	0.00745	2.1E 00	1.468E 01	2.458F 00	2.248E 00	5.891E-02	1.914E-01	3.0	1.0
99.200	4.8164	0.00738	2.1E 00	1.444E 01	2.481E 00	2.268E 00	7.036E-02	1.907E-01	3.0	1.0
99.400	4.8234	0.00731	2.2E 00	1.726E 01	2.504E 00	2.290E 00	9.012E-02	2.869E-01	3.0	1.0
99.600	4.8320	0.00724	2.2E 00	1.660E 01	2.527E 00	2.311E 00	1.076E-01	2.857E-01	3.0	1.0
99.800	4.8423	0.00718	2.3E 00	1.859E 01	2.551E 00	2.333E 00	1.304E-01	3.557E-01	3.0	1.0
100.000	4.8543	0.00711	2.2E 00	1.773E 01	2.574E 00	2.355E 00	1.504E-01	3.538E-01	3.0	1.0
100.200	4.8677	0.00705	2.2E 00	1.702E 01	2.597E 00	2.376E 00	1.681E-01	3.517E-01	3.0	1.0
100.400	4.8828	0.00698	2.3E 00	1.921E 01	2.620E 00	2.398E 00	1.915E-01	4.273E-01	3.0	1.0
100.600	4.8996	0.00692	2.2E 00	1.826E 01	2.644E 00	2.420E 00	2.121E-01	4.244E-01	3.0	1.0
100.800	4.9181	0.00686	2.3E 00	2.067E 01	2.666E 00	2.442E 00	2.389E-01	5.057E-01	3.0	1.0
101.000	4.9385	0.00679	2.3E 00	1.946E 01	2.689E 00	2.464E 00	2.622E-01	5.018E-01	3.0	1.0
101.200	4.9605	0.00673	2.3E 00	1.846E 01	2.712E 00	2.486E 00	2.825C-01	4.975E-01	3.0	1.0
101.400	4.9842	0.00668	2.4E 00	2.104E 01	2.734E 00	2.508E 00	3.094E-01	5.835E-01	3.0	1.0
101.600	5.0097	0.00662	2.3E 00	1.975E 01	2.756E 00	2.529E 00	3.328E-01	5.781E-01	3.0	1.0
101.800	5.0370	0.00656	2.4E 00	2.134E 01	2.777E 00	2.551E 00	3.600E-01	6.405E-01	3.0	1.0

101.400	4.9842	0.00668	2.4E 00	2.104E 01	2.734E 00	2.506E 00	2.825E-01	4.975E-01	3.0	1.0
101.600	5.0097	0.00662	2.3E 00	1.975E 01	2.756E 00	2.529E 00	3.328E-01	5.835E-01	3.0	1.0
101.800	5.0370	0.00656	2.4E 00	2.134E 01	2.777E 00	2.551E 00	3.600E-01	6.405E-01	3.0	1.0
102.000	5.0661	0.00650	2.4E 00	2.118E 01	2.799E 00	2.573E 00	3.866E-01	6.640E-01	3.0	1.0
102.200	5.0971	0.00645	2.4E 00	2.146E 01	2.820E 00	2.595E 00	4.137E-01	6.975E-01	3.0	1.0
102.400	5.1299	0.00640	2.4E 00	2.172E 01	2.841E 00	2.616E 00	4.413E-01	7.313E-01	3.0	1.0
102.600	5.1646	0.00635	2.4E 00	2.151E 01	2.862E 00	2.637E 00	4.683E-01	7.544E-01	3.0	1.0
102.800	5.2012	0.00629	2.5E 00	2.367E 01	2.882E 00	2.659E 00	5.004E-01	8.317E-01	3.0	1.0
103.000	5.2397	0.00624	2.4E 00	2.181E 01	2.902E 00	2.680E 00	5.277E-01	8.216E-01	3.0	1.0
103.200	5.2799	0.00620	2.4E 00	2.205E 01	2.923E 00	2.700E 00	5.554E-01	8.549E-01	3.0	1.0
103.400	5.3220	0.00615	2.4E 00	2.312E 01	2.953E 00	2.722E 00	5.849E-01	9.002E-01	3.0	1.0
103.600	5.3657	0.00610	2.4E 00	2.160E 01	2.980E 00	2.743E 00	6.101E-01	8.849E-01	3.0	1.0
103.800	5.4106	0.00605	2.2E 00	1.788E 01	3.008E 00	2.764E 00	6.252E-01	8.066E-01	2.0	1.0
104.000	5.4562	0.00601	2.2E 00	1.777E 01	3.037E 00	2.784E 00	6.391E-01	8.066E-01	2.0	1.0
104.200	5.5024	0.00596	2.2E 00	1.771E 01	3.065E 00	2.806E 00	6.517E-01	8.066E-01	2.0	1.0
104.400	5.5495	0.00592	2.4E 00	2.305E 01	3.092E 00	2.829E 00	6.776E-01	9.662E-01	3.0	1.0
104.600	5.5981	0.00587	2.4E 00	2.221E 01	3.120E 00	2.853E 00	7.009E-01	9.662E-01	3.0	1.0
104.800	5.6477	0.00582	2.4E 00	2.148E 01	3.148E 00	2.876E 00	7.218E-01	9.662E-01	2.0	1.0
105.000	5.6984	0.00577	2.4E 00	2.095E 01	3.176E 00	2.899E 00	7.408E-01	9.662E-01	2.0	1.0
105.200	5.7499	0.00573	2.3E 00	2.053E 01	3.204E 00	2.923E 00	7.580E-01	9.662E-01	2.0	1.0
105.400	5.8028	0.00568	2.7E 00	2.873E 01	3.229E 00	2.949E 00	7.953E-01	1.192E 00	3.0	1.0
105.600	5.8576	0.00563	2.6E 00	2.714E 01	3.256E 00	2.975E 00	8.284E-01	1.192E 00	3.0	1.0
105.800	5.9141	0.00558	2.6E 00	2.581E 01	3.282E 00	3.000E 00	8.580E-01	1.192E 00	3.0	1.0
106.000	5.9719	0.00553	2.5E 00	2.462E 01	3.309E 00	3.024E 00	8.843E-01	1.192E 00	2.0	1.0
106.200	6.0309	0.00549	2.5E 00	2.370E 01	3.335E 00	3.048E 00	9.081E-01	1.192E 00	2.0	1.0
106.400	6.0917	0.00542	3.1E 00	4.278E 01	3.621E 00	3.103E 00	9.614E-01	1.460E 00	3.0	1.0
106.600	6.1546	0.00533	3.0E 00	3.887E 01	3.636E 00	3.152E 00	1.006E 00	1.447E 00	3.0	1.0
106.800	6.2192	0.00525	2.9E 00	3.553E 01	3.651E 00	3.195E 00	1.043E 00	1.434E 00	3.0	1.0
107.000	6.2850	0.00518	2.8E 00	3.257E 01	3.666E 00	3.234E 00	1.074E 00	1.421E 00	2.0	1.0
107.200	6.3519	0.00513	2.7E 00	3.012E 01	3.680E 00	3.270E 00	1.101E 00	1.407E 00	2.0	1.0
107.400	6.4196	0.00507	2.6E 00	2.799E 01	3.695E 00	3.302E 00	1.123E 00	1.393E 00	2.0	1.0
107.600	6.4878	0.00502	2.6E 00	2.614E 01	3.710E 00	3.332E 00	1.142E 00	1.379E 00	2.0	1.0
107.800	6.5566	0.00498	2.5E 00	2.454E 01	3.725E 00	3.360E 00	1.158E 00	1.364E 00	2.0	1.0
108.000	6.6256	0.00494	2.4E 00	2.316E 01	3.740E 00	3.386E 00	1.171E 00	1.350E 00	2.0	1.0
108.200	6.6948	0.00490	2.4E 00	2.196E 01	3.754E 00	3.411E 00	1.182E 00	1.336E 00	2.0	1.0
108.400	6.7643	0.00487	2.5E 00	2.333E 01	3.775E 00	3.436E 00	1.198E 00	1.409E 00	2.0	1.0
108.600	6.8342	0.00483	2.4E 00	2.261E 01	3.793E 00	3.460E 00	1.212E 00	1.409E 00	2.0	1.0
108.800	6.9044	0.00480	2.4E 00	2.198E 01	3.812E 00	3.483E 00	1.225E 00	1.409E 00	2.0	1.0
109.000	6.9748	0.00477	2.4E 00	2.142E 01	3.830E 00	3.506E 00	1.237E 00	1.409E 00	2.0	1.0
109.200	7.0454	0.00474	2.4E 00	2.094E 01	3.849E 00	3.528E 00	1.248E 00	1.409E 00	2.0	1.0
109.400	7.1162	0.00471	2.3E 00	2.051E 01	3.867E 00	3.550E 00	1.258E 00	1.409E 00	2.0	1.0
109.600	7.1872	0.00468	2.3E 00	2.014E 01	3.886E 00	3.571E 00	1.267E 00	1.409E 00	2.0	1.0
109.800	7.2582	0.00465	2.3E 00	1.982E 01	3.904E 00	3.591E 00	1.276E 00	1.409E 00	2.0	1.0
110.000	7.3293	0.00463	2.3E 00	1.953E 01	3.923E 00	3.612E 00	1.284E 00	1.409E 00	2.0	1.0
110.200	7.4004	0.00460	2.3E 00	1.929E 01	3.941E 00	3.632E 00	1.292E 00	1.409E 00	2.0	1.0
111.200	7.7764	0.02309	2.4E 00	2.321E 01	3.474E 00	3.586E 00	1.422E 00	1.745E 00	3.0	1.0

-0. 6.87500 1.00000 -0.

XNN1	YMN1	OTW	CK	REN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	6.8746	0.08342	1.1E 00	2.225E-01	9.963E-01	9.980E-01	-8.613E-04	-1.337E-03	1.0	1.0
2.000	6.8735	0.08353	1.0E 00	8.035E-02	9.967E-01	9.973E-01	-1.254E-03	-1.337E-03	1.0	1.0
3.000	6.8722	0.08356	1.0E 00	1.558E-02	9.971E-01	9.972E-01	-1.443E-03	-1.336E-03	1.0	1.0
4.000	6.8707	0.08356	1.0E 00	1.555E-02	9.974E-01	9.973E-01	-1.483E-03	-1.336E-03	1.0	1.0
5.000	6.8692	0.08355	1.0E 00	2.998E-02	9.978E-01	9.976E-01	-1.483E-03	-1.336E-03	1.0	1.0
6.000	6.8677	0.08352	1.0E 00	3.670E-02	9.982E-01	9.979E-01	-1.556E-03	-1.409E-03	1.0	1.0
7.000	6.8661	0.08349	1.0E 00	4.161E-02	9.986E-01	9.983E-01	-1.556E-03	-1.409E-03	1.0	1.0
8.000	6.8646	0.08346	1.0E 00	4.365E-02	9.990E-01	9.987E-01	-1.556E-03	-1.408E-03	1.0	1.0
9.000	6.8630	0.08343	1.0E 00	4.464E-02	9.994E-01	9.991E-01	-1.556E-03	-1.408E-03	1.0	1.0
10.000	6.8614	0.08339	1.0E 00	4.513E-02	9.998E-01	9.995E-01	-1.556E-03	-1.408E-03	1.0	1.0
11.000	6.8598	0.08336	1.0E 00	4.578E-02	1.000E 00	9.999E-01	-1.701E-03	-1.554E-03	1.0	1.0
12.000	6.8581	0.08333	1.0E 00	4.839E-02	1.001E 00	1.000E 00	-1.701E-03	-1.554E-03	1.0	1.0
13.000	6.8564	0.08329	1.0E 00	4.930E-02	1.001E 00	1.001E 00	-1.701E-03	-1.554E-03	1.0	1.0
14.000	6.8547	0.08325	1.0E 00	4.974E-02	1.002E 00	1.001E 00	-1.701E-03	-1.553E-03	1.0	1.0
15.000	6.8530	0.08322	1.0E 00	4.997E-02	1.002E 00	1.002E 00	-1.701E-03	-1.553E-03	1.0	1.0
16.000	6.8512	0.08318	1.0E 00	5.147E-02	1.003E 00	1.002E 00	-1.890E-03	-1.784E-03	1.0	1.0
17.000	6.8493	0.08314	1.0E 00	5.442E-02	1.003E 00	1.003E 00	-1.930E-03	-1.784E-03	1.0	1.0
18.000	6.8474	0.08310	1.0E 00	5.608E-02	1.004E 00	1.003E 00	-1.930E-03	-1.783E-03	1.0	1.0
19.000	6.8455	0.08306	1.0E 00	5.675E-02	1.004E 00	1.004E 00	-1.930E-03	-1.783E-03	1.0	1.0
20.000	6.8435	0.08301	1.0E 00	5.709E-02	1.005E 00	1.004E 00	-1.930E-03	-1.782E-03	1.0	1.0
21.000	6.8415	0.08297	1.0E 00	6.029E-02	1.005E 00	1.005E 00	-2.172E-03	-2.117E-03	1.0	1.0

22.000	6.8393	0.08292	1.0E 00	6.353E-02	1.006E 00	1.005E 00	-2.262E-03	-2.116E-03	1.0	1.0
23.000	6.8371	0.08286	1.0E 00	6.597E-02	1.006E 00	1.006E 00	-2.262E-03	-2.116E-03	1.0	1.0
24.000	6.8348	0.08283	1.0E 00	6.693E-02	1.007E 00	1.006E 00	-2.262E-03	-2.115E-03	1.0	1.0
25.000	6.8326	0.08278	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.262E-03	-2.114E-03	1.0	1.0
26.000	6.8302	0.08273	1.0E 00	7.319E-02	1.008E 00	1.008E 00	-2.571E-03	-2.582E-03	1.0	1.0
27.000	6.8275	0.08267	1.0E 00	7.664E-02	1.009E 00	1.008E 00	-2.722E-03	-2.581E-03	1.0	1.0
28.000	6.8248	0.08261	1.0E 00	7.981F-02	1.010E 00	1.009E 00	-2.726E-03	-2.580E-03	1.0	1.0
29.000	6.8221	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-2.726E-03	-2.579E-03	1.0	1.0
30.000	6.8194	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-2.726E-03	-2.578E-03	1.0	1.0
31.000	6.8165	0.08243	1.0E 00	9.140E-02	1.012E 00	1.011E 00	-3.125E-03	-3.223E-03	1.0	1.0
32.000	6.8134	0.08237	1.0E 00	9.496E-02	1.013E 00	1.012E 00	-3.320E-03	-3.221E-03	1.0	1.0
33.000	6.8101	0.08229	1.0E 00	9.878E-02	1.014E 00	1.013E 00	-3.365E-03	-3.220E-03	1.0	1.0
34.000	6.8067	0.08222	1.0E 00	1.008E-01	1.015E 00	1.014E 00	-3.365E-03	-3.219E-03	1.0	1.0
35.000	6.8034	0.08215	1.0E 00	1.017F-01	1.016C 00	1.015E 00	-3.365E-03	-3.217E-03	1.0	1.0
36.000	6.7998	0.08207	1.1E 00	1.168E-01	1.017E 00	1.016E 00	-3.889E-03	-4.104E-03	1.0	1.0
37.000	6.7959	0.08199	1.1E 00	1.204E-01	1.018E 00	1.017E 00	-4.143F-03	-4.102E-03	1.0	1.0
38.000	6.7918	0.08190	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-4.244E-03	-4.100E-03	1.0	1.0
39.000	6.7876	0.08180	1.1E 00	1.270F-01	1.020F 00	1.019E 00	-4.244E-03	-4.097E-03	1.0	1.0
40.000	6.7834	0.08171	1.1E 00	1.291E-01	1.022E 00	1.020E 00	-4.244E-03	-4.095E-03	1.0	1.0
41.000	6.7789	0.08161	1.1E 00	1.521F-01	1.023C 00	1.022E 00	-4.943F-03	-5.323E-03	1.0	1.0
42.000	6.7739	0.08151	1.1E 00	1.556E-01	1.024E 00	1.023E 00	-5.281E-03	-5.320E-03	1.0	1.0
43.000	6.7687	0.08139	1.1E 00	1.613E-01	1.026C 00	1.025C 00	-5.442F-03	-5.316E-03	1.0	1.0
44.000	6.7634	0.08127	1.1E 00	1.650E-01	1.028E 00	1.026C 00	-5.455F-03	-5.312E-03	1.0	1.0
45.000	6.7581	0.08115	1.1E 00	1.668F-01	1.029E 00	1.028E 00	-5.455E-03	-5.308E-03	1.0	1.0
46.000	6.7523	0.08103	1.1E 00	2.020E-01	1.031C 00	1.029E 00	-6.412F-03	-7.030E-03	1.0	1.0
47.000	6.7459	0.08089	1.1E 00	2.049E-01	1.033C 00	1.031F 00	-6.871E-03	-7.024E-03	1.0	1.0
48.000	6.7391	0.08074	1.1E 00	2.121E-01	1.035E 00	1.033E 00	-7.089F-03	-7.018E-03	1.0	1.0
49.000	6.7322	0.08059	1.1E 00	2.169E-01	1.037E 00	1.035E 00	-7.153F-03	-7.011E-03	1.0	1.0
50.000	6.7253	0.08044	1.1E 00	2.195F-01	1.039C 00	1.037E 00	-7.153F-03	-7.004E-03	1.0	1.0
51.000	6.7179	0.08030	1.1E 00	2.006E-01	1.041E 00	1.039E 00	-8.133E-03	-9.459E-03	2.0	1.0
52.000	6.7098	0.08015	1.1E 00	2.298E-01	1.044C 00	1.041E 00	-8.738E-03	-9.450E-03	2.0	1.0
53.000	6.7013	0.07999	1.1E 00	2.536E-01	1.047E 00	1.043F 00	-9.109E-03	-9.439E-03	2.0	1.0
54.000	6.6924	0.07980	1.1E 00	2.699E-01	1.049E 00	1.045E 00	-9.335E-03	-9.428E-03	2.0	1.0
55.000	6.6835	0.07961	1.1E 00	2.806F-01	1.052E 00	1.048E 00	-9.470F-03	-9.416E-03	2.0	1.0
56.000	6.6737	0.07941	1.1E 00	3.388E-01	1.055E 00	1.051E 00	-1.092E-02	-1.299E-02	2.0	1.0
57.000	6.6629	0.07917	1.1E 00	3.831E-01	1.059E 00	1.054E 00	-1.188E-02	-1.297E-02	3.0	1.0
58.000	6.6514	0.07892	1.1E 00	3.606E-01	1.063E 00	1.058E 00	-1.239E-02	-1.295E-02	2.0	1.0
59.000	6.6396	0.07867	1.1E 00	3.777E-01	1.067E 00	1.061E 00	-1.270F-02	-1.293E-02	2.0	1.0
60.000	6.6275	0.07841	1.1E 00	3.892E-01	1.070E 00	1.065E 00	-1.298F-02	-1.291E-02	2.0	1.0
61.000	6.6144	0.07812	1.1C 00	5.179E-01	1.075E 00	1.069E 00	-1.527E-02	-1.824E-02	3.0	1.0
62.000	6.5995	0.07779	1.1C 00	5.216E-01	1.080F 00	1.074F 00	-1.657E-02	-1.821E-02	3.0	1.0
63.000	6.5838	0.07745	1.1E 00	5.359E-01	1.085F 00	1.078F 00	-1.734E-02	-1.817E-02	3.0	1.0
64.000	6.5675	0.07710	1.1E 00	5.082E-01	1.091E 00	1.083C 00	-1.774F-02	-1.813E-02	2.0	1.0
65.000	6.5511	0.07676	1.1E 00	5.330E-01	1.096L 00	1.088F 00	-1.797F-02	-1.809E-02	2.0	1.0
66.000	6.5330	0.07638	1.2C 00	7.397E-01	1.102E 00	1.094E 00	-2.154E-02	-2.624E-02	2.0	1.0
67.000	6.5124	0.07594	1.2E 00	7.431E-01	1.110C 00	1.101C 00	-2.357E-02	-2.618E-02	3.0	1.0
68.000	6.4906	0.07547	1.2E 00	7.656E-01	1.118E 00	1.108E 00	-2.473E-02	-2.610E-02	3.0	1.0
69.000	6.4680	0.07499	1.2E 00	7.860E-01	1.125E 00	1.115E 00	-2.537E-02	-2.602E-02	3.0	1.0
70.000	6.4452	0.07450	1.2E 00	8.013E-01	1.133C 00	1.122E 00	-2.571E-02	-2.594E-02	3.0	1.0
71.000	6.4199	0.07398	1.2E 00	1.062E 00	1.142E 00	1.131E 00	-3.127E-02	-3.873E-02	3.0	1.0
72.000	6.3910	0.07339	1.2E 00	1.074E 00	1.154F 00	1.140E 00	-3.443E-02	-3.860E-02	3.0	1.0
73.000	6.3601	0.07276	1.2E 00	1.117E 00	1.165E 00	1.150E 00	-3.620E-02	-3.844E-02	3.0	1.0
74.000	6.3284	0.07210	1.2E 00	1.155E 00	1.176E 00	1.161F 00	-3.716E-02	-3.828E-02	3.0	1.0
75.000	6.2963	0.07144	1.2E 00	1.184E 00	1.188E 00	1.172E 00	-3.765E-02	-3.811E-02	3.0	1.0
76.000	6.2606	0.07073	1.3E 00	1.623E 00	1.202E 00	1.185E 00	-4.655E-02	-5.856E-02	3.0	1.0
77.000	6.2194	0.06992	1.3E 00	1.633E 00	1.219E 00	1.199E 00	-5.154E-02	-5.826E-02	3.0	1.0
78.000	6.1756	0.06905	1.3E 00	1.704E 00	1.237E 00	1.215E 00	-5.429E-02	-5.793E-02	3.0	1.0
79.000	6.1306	0.06815	1.3E 00	1.768E 00	1.254E 00	1.231E 00	-5.574E-02	-5.757E-02	3.0	1.0
80.000	6.0854	0.06725	1.3E 00	1.818E 00	1.271E 00	1.247E 00	-5.643E-02	-5.720E-02	3.0	1.0
81.000	6.0362	0.06630	1.3E 00	2.307E 00	1.293E 00	1.266E 00	-6.699E-02	-8.156E-02	3.0	1.0
82.000	5.9815	0.06526	1.3E 00	2.386E 00	1.318E 00	1.287E 00	-7.287E-02	-8.098E-02	3.0	1.0
83.000	5.9243	0.06397	1.4E 00	3.228E 00	1.360E 00	1.318E 00	-7.611E-02	-8.031E-02	3.0	1.0
84.000	5.8635	0.06247	1.4E 00	3.507E 00	1.393E 00	1.350E 00	-8.621E-02	-9.988E-02	3.0	1.0
85.000	5.7984	0.06103	1.4E 00	3.489E 00	1.427E 00	1.381E 00	-9.153E-02	-9.888E-02	3.0	1.0
86.000	5.7284	0.05958	1.5E 00	3.955E 00	1.464E 00	1.416E 00	-1.042E-01	-1.219E-01	3.0	1.0
87.000	5.6535	0.05810	1.5E 00	4.147E 00	1.507E 00	1.453E 00	-1.109E-01	-1.204E-01	3.0	1.0

85.000	5.7984	0.06103	1.4E 00	3.597E 00	1.393E 00	1.350E 00	-8.621E-02	-8.031E-02	3.0	1.0
86.000	5.7284	0.05958	1.5E 00	3.489E 00	1.427E 00	1.381E 00	-9.153E-02	-9.888E-02	3.0	1.0
87.000	5.6535	0.05810	1.5E 00	4.147E 00	1.507E 00	1.453E 00	-1.109E-01	-1.204E-01	3.0	1.0
88.000	5.5770	0.05661	1.5E 00	4.341E 00	1.549E 00	1.491E 00	-1.142E-01	-1.188E-01	3.0	1.0
89.000	5.4978	0.05505	1.6E 00	5.120E 00	1.602E 00	1.536E 00	-1.256E-01	-1.423E-01	3.0	1.0
90.000	5.4154	0.05342	1.6E 00	5.391E 00	1.655E 00	1.584E 00	-1.315E-01	-1.401E-01	3.0	1.0
91.000	5.3306	0.05178	1.6E 00	6.000E 00	1.714E 00	1.635E 00	-1.415E-01	-1.564E-01	3.0	1.0
91.200	5.3133	0.01016	1.6E 00	6.352E 00	1.753E 00	1.646E 00	-1.426E-01	-1.532E-01	2.0	1.0
91.400	5.2960	0.01009	1.6E 00	6.453E 00	1.766E 00	1.658E 00	-1.435E-01	-1.526E-01	2.0	1.0
91.600	5.2787	0.01002	1.6E 00	6.548E 00	1.779E 00	1.669E 00	-1.443E-01	-1.519E-01	2.0	1.0
91.800	5.2614	0.00995	1.7E 00	6.637E 00	1.792E 00	1.681E 00	-1.450E-01	-1.513E-01	2.0	1.0
92.000	5.2442	0.00988	1.7E 00	6.722E 00	1.806E 00	1.692E 00	-1.455E-01	-1.506E-01	2.0	1.0
92.200	5.2270	0.00982	1.7E 00	6.801E 00	1.819E 00	1.704E 00	-1.460E-01	-1.500E-01	2.0	1.0
92.400	5.2099	0.00975	1.7E 00	6.876E 00	1.832E 00	1.716E 00	-1.463E-01	-1.494E-01	2.0	1.0
92.600	5.1929	0.00968	1.7E 00	6.947E 00	1.845E 00	1.727E 00	-1.465E-01	-1.487E-01	2.0	1.0
92.800	5.1760	0.00961	1.7E 00	7.131E 00	1.860E 00	1.740E 00	-1.460E-01	-1.407E-01	2.0	1.0
93.000	5.1593	0.00955	1.7E 00	7.294E 00	1.875E 00	1.752E 00	-1.455E-01	-1.399E-01	2.0	1.0
93.200	5.1428	0.00948	1.7E 00	7.443E 00	1.890E 00	1.765E 00	-1.449E-01	-1.390E-01	2.0	1.0
93.400	5.1265	0.00941	1.7E 00	7.580E 00	1.905E 00	1.777E 00	-1.443E-01	-1.382E-01	2.0	1.0
93.600	5.1103	0.00934	1.7E 00	7.707E 00	1.921E 00	1.790E 00	-1.437E-01	-1.374E-01	2.0	1.0
93.800	5.0944	0.00927	1.7E 00	7.926E 00	1.937E 00	1.804E 00	-1.421E-01	-1.257E-01	2.0	1.0
94.000	5.0788	0.00921	1.7E 00	8.076E 00	1.953E 00	1.817E 00	-1.405E-01	-1.248E-01	2.0	1.0
94.200	5.0635	0.00914	1.7E 00	8.214E 00	1.969E 00	1.831E 00	-1.391E-01	-1.240E-01	2.0	1.0
94.400	5.0485	0.00907	1.8E 00	8.431E 00	1.986E 00	1.845E 00	-1.370E-01	-1.157E-01	2.0	1.0
94.600	5.0338	0.00900	1.8E 00	8.644E 00	2.003E 00	1.859E 00	-1.344E-01	-1.088E-01	2.0	1.0
94.800	5.0196	0.00893	1.8E 00	8.876E 00	2.021E 00	1.874E 00	-1.313E-01	-9.996E-02	2.0	1.0
95.000	5.0058	0.00886	1.8E 00	9.115E 00	2.039E 00	1.889E 00	-1.277E-01	-9.085E-02	2.0	1.0
95.200	4.9925	0.00879	1.8E 00	9.241E 00	2.056E 00	1.904E 00	-1.243E-01	-8.986E-02	2.0	1.0
95.400	4.9798	0.00872	1.8E 00	9.613E 00	2.075E 00	1.919E 00	-1.199E-01	-7.501E-02	3.0	1.0
95.600	4.9675	0.00865	1.8E 00	9.719E 00	2.094E 00	1.935E 00	-1.157E-01	-7.403E-02	3.0	1.0
95.800	4.9559	0.00858	1.9E 00	1.023E 01	2.113E 00	1.951E 00	-1.098E-01	-4.998E-02	3.0	1.0
96.000	4.9450	0.00851	1.9E 00	1.030E 01	2.132E 00	1.967E 00	-1.043E-01	-4.898E-02	3.0	1.0
96.200	4.9347	0.00844	1.9E 00	1.038E 01	2.151E 00	1.984E 00	-9.931E-02	-4.804E-02	3.0	1.0
96.400	4.9251	0.00836	1.9E 00	1.137E 01	2.173E 00	2.001E 00	-9.072E-02	-4.969E-03	3.0	1.0
96.600	4.9165	0.00829	1.9E 00	1.136F 01	2.193E 00	2.018E 00	-8.290E-02	-4.013E-03	3.0	1.0
96.800	4.9087	0.00822	1.9E 00	1.137E 01	2.214E 00	2.036E 00	-7.576E-02	-3.146E-03	3.0	1.0
97.000	4.9016	0.00815	1.9E 00	1.140E 01	2.234E 00	2.054E 00	-6.924E-02	-2.362E-03	3.0	1.0
97.200	4.8952	0.00808	1.9E 00	1.145E 01	2.255E 00	2.071E 00	-6.328E-02	-1.651E-03	3.0	1.0
97.400	4.8897	0.00801	2.0E 00	1.343E 01	2.277E 00	2.090E 00	-5.040E-02	7.694E-02	3.0	1.0
97.600	4.8855	0.00794	2.0E 00	1.322E 01	2.299E 00	2.109E 00	-3.881E-02	7.761E-02	3.0	1.0
97.800	4.8823	0.00787	2.0E 00	1.307E 01	2.321E 00	2.128E 00	-2.834E-02	7.813E-02	3.0	1.0
98.000	4.8801	0.00780	2.0E 00	1.296E 01	2.343E 00	2.147E 00	-1.888E-02	7.852E-02	3.0	1.0
98.200	4.8787	0.00773	2.0E 00	1.290E 01	2.365E 00	2.166E 00	-1.033E-02	7.879E-02	3.0	1.0
98.400	4.8786	0.00766	2.1E 00	1.579E 01	2.389E 00	2.187E 00	7.363E-03	1.807E-01	3.0	1.0
98.600	4.8800	0.00759	2.1E 00	1.526E 01	2.412E 00	2.207E 00	2.305E-02	1.807E-01	2.0	1.0
98.800	4.8827	0.00752	2.1E 00	1.493E 01	2.435E 00	2.228E 00	3.711E-02	1.805E-01	3.0	1.0
99.000	4.8866	0.00745	2.1E 00	1.463E 01	2.458E 00	2.248E 00	4.969E-02	1.801E-01	3.0	1.0
99.200	4.8915	0.00738	2.1E 00	1.440E 01	2.481E 00	2.268E 00	6.096E-02	1.795E-01	3.0	1.0
99.400	4.8977	0.00731	2.2E 00	1.715E 01	2.504E 00	2.290E 00	8.039E-02	2.743E-01	3.0	1.0
99.600	4.9054	0.00725	2.2E 00	1.652E 01	2.527E 00	2.311E 00	9.759E-02	2.732E-01	3.0	1.0
99.800	4.9148	0.00718	2.3E 00	1.847E 01	2.551E 00	2.333E 00	1.200E-01	3.424E-01	3.0	1.0
100.000	4.9259	0.00711	2.2E 00	1.764E 01	2.574E 00	2.355E 00	1.348E-01	3.407E-01	3.0	1.0
100.200	4.9384	0.00705	2.2E 00	1.695E 01	2.597E 00	2.376E 00	1.572E-01	3.387E-01	3.0	1.0
100.400	4.9526	0.00698	2.3E 00	1.911E 01	2.620E 00	2.398E 00	1.804E-01	4.135E-01	3.0	1.0
100.600	4.9684	0.00692	2.2E 00	1.818E 01	2.644E 00	2.420E 00	2.007E-01	4.107E-01	3.0	1.0
100.800	4.9860	0.00686	2.3E 00	2.055E 01	2.666E 00	2.442E 00	2.271E-01	4.912E-01	3.0	1.0
101.000	5.0054	0.00679	2.3E 00	1.938E 01	2.689E 00	2.464E 00	2.502E-01	4.875E-01	3.0	1.0
101.200	5.0265	0.00674	2.2E 00	1.840E 01	2.712E 00	2.485E 00	2.703E-01	4.834E-01	3.0	1.0
101.400	5.0492	0.00668	2.4E 00	2.094E 01	2.734E 00	2.508E 00	2.969E-01	5.686E-01	3.0	1.0
101.600	5.0737	0.00662	2.3E 00	1.968E 01	2.756E 00	2.529E 00	3.201E-01	5.634E-01	3.0	1.0
101.800	5.0999	0.00656	2.4E 00	2.125E 01	2.777E 00	2.551E 00	3.470E-01	6.253E-01	3.0	1.0
102.000	5.1281	0.00651	2.4E 00	2.109E 01	2.799E 00	2.573E 00	3.734E-01	6.487E-01	3.0	1.0
102.200	5.1580	0.00645	2.4E 00	2.137E 01	2.820E 00	2.594E 00	4.003E-01	6.821E-01	3.0	1.0
102.400	5.1898	0.00640	2.4E 00	2.164E 01	2.841E 00	2.616E 00	4.277E-01	7.157E-01	3.0	1.0
102.600	5.2234	0.00635	2.4E 00	2.144E 01	2.862E 00	2.637E 00	4.544E-01	7.387E-01	3.0	1.0
102.800	5.2589	0.00629	2.5E 00	2.357E 01	2.882E 00	2.658E 00	4.862E-01	8.154E-01	3.0	1.0
103.000	5.2964	0.00624	2.4E 00	2.174E 01	2.902E 00	2.679E 00	5.134E-01	8.056E-01	3.0	1.0
103.200	5.3356	0.00620	2.4E 00	2.198E 01	2.923E 00	2.700E 00	5.409E-01	8.387E-01	3.0	1.0
103.400	5.3766	0.00615	2.4E 00	2.311E 01	2.953E 00	2.722E 00	5.704E-01	8.852E-01	3.0	1.0

XNN1	YNN1	DTN	CK	REN	VDX	VDXNN1	VDYNN1	VDY	KKT	DIRECT
					-0.					
103.600	5.4192	0.00610	2.4E 00	2.160E 01	2.980E 00	2.743E 00	5.956E-01	8.741E-01	3.0	1.0
103.800	5.4631	0.00605	2.2E 00	1.837E 01	3.008E 00	2.764E 00	6.119E-01	8.066E-01	2.0	1.0
104.000	5.5078	0.00601	2.2E 00	1.817E 01	3.037E 00	2.785E 00	6.269E-01	8.066E-01	2.0	1.0
104.200	5.5531	0.00596	2.2E 00	1.805E 01	3.065E 00	2.806E 00	6.406E-01	8.066E-01	2.0	1.0
104.400	5.5995	0.00591	2.5E 00	2.348E 01	3.092E 00	2.830E 00	6.676E-01	9.662E-01	3.0	1.0
104.600	5.6474	0.00587	2.4E 00	2.258E 01	3.120E 00	2.853E 00	6.918E-01	9.662E-01	3.0	1.0
104.800	5.6964	0.00582	2.4E 00	2.179E 01	3.148E 00	2.877E 00	7.135E-01	9.662E-01	2.0	1.0
105.000	5.7465	0.00577	2.3E 00	2.121E 01	3.176E 00	2.900E 00	7.332E-01	9.662E-01	2.0	1.0
105.200	5.7975	0.00572	2.3E 00	2.075E 01	3.204E 00	2.923E 00	7.511E-01	9.662E-01	2.0	1.0
105.400	5.8499	0.00568	2.7E 00	2.901E 01	3.229E 00	2.950E 00	7.891E-01	1.192E 00	3.0	1.0
105.600	5.9044	0.00563	2.6E 00	2.738E 01	3.256E 00	2.975E 00	8.249E-01	1.192E 00	3.0	1.0
105.800	5.9604	0.00558	2.6E 00	2.601E 01	3.282E 00	3.000E 00	8.529E-01	1.192E 00	3.0	1.0
106.000	6.0180	0.00553	2.5E 00	2.480E 01	3.309E 00	3.025E 00	8.798E-01	1.192E 00	2.0	1.0
106.200	6.0765	0.00546	2.9E 00	3.553E 01	3.607E 00	3.077E 00	9.075E-01	1.188E 00	3.0	1.0
106.400	6.1367	0.00537	3.1E 00	4.137E 01	3.621E 00	3.129E 00	9.588E-01	1.451E 00	3.0	1.0
106.600	6.1989	0.00529	3.0E 00	3.766E 01	3.636E 00	3.174E 00	1.002E 00	1.438E 00	3.0	1.0
106.800	6.2628	0.00522	2.9E 00	3.448E 01	3.651E 00	3.215E 00	1.038E 00	1.425E 00	3.0	1.0
107.000	6.3279	0.00516	2.8E 00	3.166E 01	3.666E 00	3.251E 00	1.068E 00	1.412E 00	2.0	1.0
107.200	6.3940	0.00510	2.7E 00	2.931E 01	3.680E 00	3.285E 00	1.094E 00	1.398E 00	2.0	1.0
107.400	6.4610	0.00505	2.6E 00	2.726E 01	3.695E 00	3.316E 00	1.116F 00	1.384E 00	2.0	1.0
107.600	6.5286	0.00501	2.5E 00	2.549E 01	3.710E 00	3.344E 00	1.134E 00	1.370E 00	2.0	1.0
107.800	6.5966	0.00496	2.5E 00	2.395E 01	3.725E 00	3.371E 00	1.150E 00	1.356E 00	2.0	1.0
108.000	6.6649	0.00493	2.4E 00	2.262E 01	3.740E 00	3.396E 00	1.163E 00	1.342E 00	2.0	1.0
108.200	6.7335	0.00489	2.4E 00	2.147E 01	3.754E 00	3.420E 00	1.174E 00	1.327E 00	2.0	1.0
108.400	6.8024	0.00486	2.4E 00	2.316E 01	3.775E 00	3.444E 00	1.190F 00	1.409E 00	2.0	1.0
108.600	6.8716	0.00482	2.4E 00	2.244E 01	3.793E 00	3.468E 00	1.205E 00	1.409E 00	2.0	1.0
108.800	6.9413	0.00479	2.4E 00	2.182E 01	3.812E 00	3.490E 00	1.218F 00	1.409E 00	2.0	1.0
109.000	7.0112	0.00476	2.4E 00	2.127E 01	3.830E 00	3.512E 00	1.230E 00	1.409E 00	2.0	1.0
109.200	7.0814	0.00473	2.3E 00	2.079E 01	3.849E 00	3.534E 00	1.242E 00	1.409E 00	2.0	1.0
109.400	7.1517	0.00470	2.3E 00	2.037E 01	3.867E 00	3.555E 00	1.252E 00	1.409E 00	2.0	1.0
109.600	7.2222	0.00467	2.3E 00	2.000E 01	3.886E 00	3.576E 00	1.262E 00	1.409E 00	2.0	1.0
109.800	7.2929	0.00465	2.3E 00	1.968E 01	3.904E 00	3.596E 00	1.271E 00	1.409E 00	2.0	1.0
110.000	7.3636	0.00462	2.3E 00	1.940E 01	3.923E 00	3.616E 00	1.279E 00	1.409E 00	2.0	1.0
110.200	7.4344	0.00460	2.3E 00	1.916E 01	3.941E 00	3.636E 00	1.287E 00	1.409E 00	2.0	1.0
111.200	7.8090	0.02307	2.5E 00	2.347E 01	3.474E 00	3.589E 00	1.419E 00	1.745E 00	3.0	1.0
112.200	8.2370	0.02414	3.0E 00	3.879E 01	2.918E 00	3.315E 00	1.535E 00	1.745E 00	3.0	1.0
		6.93750		1.00000						

24.000	6.8970	0.08283	1.0E 00	[illegible]	1.006E 00	1.006E 00	-2.281E-03	[illegible]	1.0	1.0
25.000	6.8947	0.08278	1.0E 00	6.693E-02	1.007E 00	1.006E 00	-2.281E-03	-2.134E-03	1.0	1.0
26.000	6.8923	0.08273	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.281E-03	-2.134E-03	1.0	1.0
27.000	6.8896	0.08267	1.0E 00	7.324E-02	1.008E 00	1.008E 00	-2.592E-03	-2.133E-03	1.0	1.0
28.000	6.8869	0.08261	1.0E 00	7.664E-02	1.009E 00	1.008E 00	-2.744E-03	-2.605E-03	1.0	1.0
				7.980E-02	1.010E 00	1.009E 00	-2.748E-03	-2.604E-03	1.0	1.0
								-2.603E-03	1.0	1.0

29.000	6.8842	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-2.748E-03	-2.602E-03	1.0	1.0
30.000	6.8815	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-2.748E-03	-2.601E-03	1.0	1.0
31.000	6.8786	0.08243	1.0E 00	9.150E-02	1.012E 00	1.011E 00	-3.151E-03	-3.251E-03	1.0	1.0
32.000	6.8754	0.08237	1.0E 00	9.497E-02	1.013E 00	1.012E 00	-3.347E-03	-3.250E-03	1.0	1.0
33.000	6.8720	0.08229	1.0E 00	9.877E-02	1.014E 00	1.013E 00	-3.393E-03	-3.248E-03	1.0	1.0
34.000	6.8687	0.08222	1.0E 00	1.008E-01	1.015E 00	1.014E 00	-3.393E-03	-3.247E-03	1.0	1.0
35.000	6.8653	0.08215	1.0E 00	1.017E-01	1.016E 00	1.015E 00	-3.393E-03	-3.245E-03	1.0	1.0
36.000	6.8617	0.08207	1.1E 00	1.169E-01	1.017E 00	1.016E 00	-3.921E-03	-4.140E-03	1.0	1.0
37.000	6.8577	0.08199	1.1E 00	1.204E-01	1.018E 00	1.017E 00	-4.177E-03	-4.138E-03	1.0	1.0
38.000	6.8536	0.08190	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-4.280E-03	-4.136E-03	1.0	1.0
39.000	6.8494	0.08180	1.1E 00	1.278E-01	1.020E 00	1.019E 00	-4.280E-03	-4.133E-03	1.0	1.0
40.000	6.8452	0.08171	1.1E 00	1.291E-01	1.022E 00	1.020E 00	-4.280E-03	-4.131E-03	1.0	1.0
41.000	6.8407	0.08161	1.1E 00	1.523E-01	1.023E 00	1.022E 00	-4.985E-03	-5.369E-03	1.0	1.0
42.000	6.8356	0.08151	1.1E 00	1.556E-01	1.024E 00	1.023E 00	-5.324E-03	-5.366E-03	1.0	1.0
43.000	6.8303	0.08139	1.1E 00	1.613E-01	1.026E 00	1.025E 00	-5.487E-03	-5.362E-03	1.0	1.0
44.000	6.8250	0.08127	1.1E 00	1.650E-01	1.028E 00	1.026E 00	-5.501E-03	-5.358E-03	1.0	1.0
45.000	6.8196	0.08115	1.1E 00	1.668E-01	1.029E 00	1.028E 00	-5.501E-03	-5.354E-03	1.0	1.0
46.000	6.8138	0.08103	1.1E 00	2.024E-01	1.031E 00	1.029E 00	-6.466E-03	-7.091E-03	1.0	1.0
47.000	6.8073	0.08089	1.1E 00	2.049E-01	1.033E 00	1.031E 00	-6.928E-03	-7.085E-03	1.0	1.0
48.000	6.8005	0.08074	1.1E 00	2.121E-01	1.035E 00	1.033E 00	-7.148E-03	-7.078E-03	1.0	1.0
49.000	6.7935	0.08059	1.1E 00	2.169E-01	1.037E 00	1.035E 00	-7.214E-03	-7.072E-03	1.0	1.0
50.000	6.7866	0.08044	1.1E 00	2.195E-01	1.039E 00	1.037E 00	-7.214E-03	-7.065E-03	1.0	1.0
51.000	6.7791	0.08030	1.1E 00	2.010E-01	1.041E 00	1.039E 00	-8.201E-03	-9.540E-03	2.0	1.0
52.000	6.7710	0.08015	1.1E 00	2.299E-01	1.044E 00	1.041E 00	-8.811E-03	-9.530E-03	2.0	1.0
53.000	6.7623	0.07999	1.1E 00	2.536E-01	1.047E 00	1.043E 00	-9.185E-03	-9.520E-03	2.0	1.0
54.000	6.7534	0.07980	1.1E 00	2.699E-01	1.049E 00	1.045E 00	-9.413E-03	-9.508E-03	2.0	1.0
55.000	6.7444	0.07961	1.1E 00	2.806E-01	1.052E 00	1.048E 00	-9.549E-03	-9.497E-03	2.0	1.0
56.000	6.7346	0.07941	1.1E 00	3.393E-01	1.055E 00	1.051E 00	-1.101E-02	-1.310E-02	2.0	1.0
57.000	6.7237	0.07917	1.1E 00	3.833E-01	1.059E 00	1.054E 00	-1.194E-02	-1.308E-02	3.0	1.0
58.000	6.7121	0.07892	1.1E 00	3.606E-01	1.063E 00	1.058E 00	-1.249E-02	-1.306E-02	2.0	1.0
59.000	6.7001	0.07867	1.1E 00	3.777E-01	1.067E 00	1.061E 00	-1.281E-02	-1.304E-02	2.0	1.0
60.000	6.6880	0.07841	1.1E 00	3.892E-01	1.070E 00	1.065E 00	-1.299E-02	-1.302E-02	2.0	1.0
61.000	6.6747	0.07812	1.1E 00	5.188E-01	1.075E 00	1.069E 00	-1.535E-02	-1.839E-02	3.0	1.0
62.000	6.6597	0.07779	1.1E 00	5.219E-01	1.080E 00	1.074E 00	-1.671E-02	-1.836E-02	3.0	1.0
63.000	6.6439	0.07745	1.1E 00	5.360E-01	1.085E 00	1.078E 00	-1.748E-02	-1.832E-02	3.0	1.0
64.000	6.6275	0.07710	1.1E 00	5.082E-01	1.091E 00	1.083E 00	-1.789E-02	-1.828E-02	2.0	1.0
65.000	6.6109	0.07676	1.1E 00	5.330E-01	1.096E 00	1.088E 00	-1.812E-02	-1.824E-02	2.0	1.0
66.000	6.5927	0.07638	1.2E 00	7.412E-01	1.102E 00	1.094E 00	-2.171E-02	-2.646E-02	3.0	1.0
67.000	6.5719	0.07594	1.2E 00	7.436E-01	1.110E 00	1.101E 00	-2.377E-02	-2.639E-02	3.0	1.0
68.000	6.5499	0.07547	1.2E 00	7.657E-01	1.118E 00	1.108E 00	-2.493E-02	-2.632E-02	3.0	1.0
69.000	6.5271	0.07499	1.2E 00	7.860E-01	1.125E 00	1.115E 00	-2.558E-02	-2.624E-02	3.0	1.0
70.000	6.5041	0.07450	1.2E 00	8.013E-01	1.133E 00	1.122E 00	-2.592E-02	-2.616E-02	3.0	1.0
71.000	6.4786	0.07398	1.2E 00	1.064E 00	1.142E 00	1.131E 00	-3.153E-02	-3.905E-02	3.0	1.0
72.000	6.4495	0.07339	1.2E 00	1.074E 00	1.154E 00	1.140E 00	-3.471E-02	-3.891E-02	3.0	1.0
73.000	6.4184	0.07276	1.2E 00	1.117E 00	1.165E 00	1.150E 00	-3.649E-02	-3.875E-02	3.0	1.0
74.000	6.3864	0.07210	1.2E 00	1.155E 00	1.176E 00	1.161E 00	-3.746E-02	-3.859E-02	3.0	1.0
75.000	6.3541	0.07144	1.2E 00	1.184E 00	1.188E 00	1.172E 00	-3.795E-02	-3.842E-02	3.0	1.0
76.000	6.3180	0.07073	1.3E 00	1.627E 00	1.202E 00	1.185E 00	-4.693E-02	-5.903E-02	3.0	1.0
77.000	6.2766	0.06992	1.3E 00	1.634E 00	1.219E 00	1.199E 00	-5.196E-02	-5.873E-02	3.0	1.0
78.000	6.2324	0.06905	1.3E 00	1.704E 00	1.237E 00	1.215E 00	-5.473E-02	-5.839E-02	3.0	1.0
79.000	6.1870	0.06815	1.3E 00	1.768E 00	1.254E 00	1.231E 00	-5.619E-02	-5.803E-02	3.0	1.0
80.000	6.1414	0.06725	1.3E 00	1.818E 00	1.271E 00	1.247E 00	-5.688E-02	-5.766E-02	3.0	1.0
81.000	6.0919	0.06630	1.3E 00	2.311E 00	1.293E 00	1.266E 00	-6.754E-02	-8.223E-02	3.0	1.0
82.000	6.0367	0.06526	1.3E 00	2.387E 00	1.318E 00	1.287E 00	-7.346E-02	-8.164E-02	3.0	1.0
83.000	5.9789	0.06416	1.4E 00	2.502E 00	1.343E 00	1.310E 00	-7.664E-02	-8.099E-02	3.0	1.0
84.000	5.9173	0.06276	1.5E 00	3.831E 00	1.393E 00	1.347E 00	-8.707E-02	-1.008E-01	3.0	1.0
85.000	5.8514	0.06116	1.4E 00	3.657E 00	1.427E 00	1.379E 00	-9.244E-02	-9.977E-02	3.0	1.0
86.000	5.7806	0.05965	1.5E 00	4.039E 00	1.464E 00	1.415E 00	-1.052E-01	-1.230E-01	3.0	1.0
87.000	5.7049	0.05813	1.5E 00	4.191E 00	1.507E 00	1.452E 00	-1.120E-01	-1.215E-01	3.0	1.0
88.000	5.6277	0.05662	1.5E 00	4.364E 00	1.549E 00	1.491E 00	-1.152E-01	-1.199E-01	3.0	1.0
89.000	5.5477	0.05505	1.6E 00	5.134E 00	1.602E 00	1.536E 00	-1.269E-01	-1.437E-01	3.0	1.0
90.000	5.4645	0.05343	1.6E 00	5.397E 00	1.655E 00	1.583E 00	-1.328E-01	-1.415E-01	3.0	1.0
91.000	5.3788	0.05178	1.6E 00	6.007E 00	1.714E 00	1.635E 00	-1.430E-01	-1.502E-01	3.0	1.0
91.200	5.3613	0.01016	1.6E 00	6.355E 00	1.753E 00	1.646E 00	-1.441E-01	-1.550E-01	2.0	1.0
91.400	5.3438	0.01009	1.6E 00	6.455E 00	1.766E 00	1.658E 00	-1.451E-01	-1.544E-01	2.0	1.0
91.600	5.3263	0.01002	1.6E 00	6.550E 00	1.779E 00	1.669E 00	-1.459E-01	-1.537E-01	2.0	1.0

91.600	5.3263	0.01002	1.6E 00	6.550E 00	1.779E 00	1.658E 00	1.669E 00	-1.451E-01	-1.454E-01	-1.544E-01	-1.537E-01	2.0	2.0	1.0
91.800	5.3088	0.00995	1.7E 00	6.639E 00	1.792E 00	1.680E 00	-1.466E-01	-1.531E-01	2.0	1.0				
92.000	5.2914	0.00988	1.7E 00	6.723E 00	1.806E 00	1.692E 00	-1.472E-01	-1.524E-01	2.0	1.0				
92.200	5.2741	0.00982	1.7E 00	6.802E 00	1.819E 00	1.704E 00	-1.476E-01	-1.518E-01	2.0	1.0				
92.400	5.2568	0.00975	1.7E 00	6.877E 00	1.832E 00	1.716E 00	-1.479E-01	-1.511E-01	2.0	1.0				
92.600	5.2396	0.00968	1.7E 00	6.948E 00	1.845E 00	1.727E 00	-1.482E-01	-1.505E-01	2.0	1.0				
92.800	5.2225	0.00961	1.7E 00	7.130E 00	1.860E 00	1.740E 00	-1.477E-01	-1.430E-01	2.0	1.0				
93.000	5.2056	0.00955	1.7E 00	7.293E 00	1.875E 00	1.752E 00	-1.472E-01	-1.422E-01	2.0	1.0				
93.200	5.1889	0.00948	1.7E 00	7.443E 00	1.890E 00	1.765E 00	-1.467E-01	-1.413E-01	2.0	1.0				
93.400	5.1723	0.00941	1.7E 00	7.580E 00	1.905E 00	1.777E 00	-1.462E-01	-1.405E-01	2.0	1.0				
93.600	5.1560	0.00934	1.7E 00	7.706E 00	1.921E 00	1.790E 00	-1.456E-01	-1.397E-01	2.0	1.0				
93.800	5.1399	0.00927	1.7E 00	7.922E 00	1.937E 00	1.804E 00	-1.440E-01	-1.284E-01	2.0	1.0				
94.000	5.1240	0.00921	1.7E 00	8.072E 00	1.953E 00	1.817E 00	-1.426E-01	-1.274E-01	2.0	1.0				
94.200	5.1085	0.00914	1.7E 00	8.211E 00	1.969E 00	1.831E 00	-1.411E-01	-1.265E-01	2.0	1.0				
94.400	5.0932	0.00907	1.8E 00	8.426E 00	1.986E 00	1.845E 00	-1.391E-01	-1.184E-01	2.0	1.0				
94.600	5.0784	0.00900	1.8E 00	8.637E 00	2.003E 00	1.859E 00	-1.366E-01	-1.116E-01	2.0	1.0				
94.800	5.0639	0.00893	1.8E 00	8.867E 00	2.021E 00	1.874E 00	-1.336E-01	-1.030E-01	2.0	1.0				
95.000	5.0499	0.00886	1.8E 00	9.104E 00	2.039E 00	1.889E 00	-1.300E-01	-9.401E-02	2.0	1.0				
95.200	5.0363	0.00879	1.8E 00	9.233E 00	2.056E 00	1.904E 00	-1.267E-01	-9.301E-02	2.0	1.0				
95.400	5.0233	0.00872	1.8E 00	9.600E 00	2.075E 00	1.919E 00	-1.224E-01	-7.839E-02	3.0	1.0				
95.600	5.0108	0.00865	1.8E 00	9.709E 00	2.094E 00	1.935E 00	-1.163E-01	-7.738E-02	3.0	1.0				
95.800	4.9989	0.00858	1.9E 00	1.021E 01	2.113E 00	1.951E 00	-1.125E-01	-5.369E-02	3.0	1.0				
96.000	4.9877	0.00851	1.9E 00	1.029E 01	2.132E 00	1.967E 00	-1.071E-01	-5.267E-02	3.0	1.0				
96.200	4.9771	0.00844	1.9E 00	1.037E 01	2.151E 00	1.984E 00	-1.022E-01	-5.171E-02	3.0	1.0				
96.400	4.9673	0.00836	1.9E 00	1.134E 01	2.173E 00	2.001E 00	-9.372E-02	-9.224E-03	3.0	1.0				
96.600	4.9583	0.00829	1.9E 00	1.134E 01	2.193E 00	2.018E 00	-8.602E-02	-8.238E-03	3.0	1.0				
96.800	4.9502	0.00822	1.9E 00	1.135E 01	2.214E 00	2.036E 00	-7.898E-02	-7.342E-03	3.0	1.0				
97.000	4.9428	0.00815	1.9E 00	1.139E 01	2.234E 00	2.054E 00	-7.254E-02	-6.526E-03	3.0	1.0				
97.200	4.9361	0.00808	1.9E 00	1.144E 01	2.255E 00	2.071E 00	-6.666E-02	-5.783E-03	3.0	1.0				
97.400	4.9303	0.00801	2.0E 00	1.338E 01	2.277E 00	2.090E 00	-5.394E-02	-7.192E-02	3.0	1.0				
97.600	4.9257	0.00794	2.0E 00	1.318E 01	2.299E 00	2.109E 00	-4.249E-02	-7.263E-02	3.0	1.0				
97.800	4.9221	0.00787	2.0E 00	1.304E 01	2.321E 00	2.128E 00	-3.214E-02	-7.320E-02	3.0	1.0				
98.000	4.9196	0.00780	2.0E 00	1.294E 01	2.343E 00	2.147E 00	-2.278E-02	-7.363E-02	3.0	1.0				
98.200	4.9179	0.00773	2.0E 00	1.288E 01	2.365E 00	2.166E 00	-1.431E-02	-7.394E-02	3.0	1.0				
98.400	4.9173	0.00766	2.1E 00	1.573E 01	2.389E 00	2.187E 00	3.190E-03	1.749E-01	3.0	1.0				
98.600	4.9183	0.00759	2.1E 00	1.521E 01	2.412E 00	2.207E 00	1.872E-02	1.750E-01	2.0	1.0				
98.800	4.9207	0.00752	2.1E 00	1.489E 01	2.435E 00	2.228E 00	3.266F-02	1.746E-01	3.0	1.0				
99.000	4.9241	0.00745	2.1E 00	1.460E 01	2.458E 00	2.248E 00	4.513F-02	1.745E-01	3.0	1.0				
99.200	4.9286	0.00736	2.1E 00	1.438E 01	2.481E 00	2.268E 00	5.631E-02	1.740E-01	3.0	1.0				
99.400	4.9344	0.00731	2.2E 00	1.710E 01	2.504E 00	2.290E 00	7.558E-02	2.840E-01	3.0	1.0				
99.600	4.9417	0.00725	2.2E 00	1.644E 01	2.527E 00	2.311E 00	9.264F-02	2.671E-01	3.0	1.0				
99.800	4.9507	0.00718	2.2E 00	1.841E 01	2.551E 00	2.331E 00	1.149F-01	3.358E-01	3.0	1.0				
100.000	4.9613	0.00711	2.2E 00	1.759E 01	2.574E 00	2.354E 00	1.345E-01	3.342E-01	3.0	1.0				
100.200	4.9734	0.00705	2.2E 00	1.692E 01	2.597E 00	2.376E 00	1.514E-01	3.322E-01	3.0	1.0				
100.400	4.9871	0.00698	2.3E 00	1.906E 01	2.620E 00	2.398E 00	1.740F-01	4.066E-01	3.0	1.0				
100.600	5.0025	0.00692	2.2E 00	1.814E 01	2.644E 00	2.419E 00	1.950E-01	4.039E-01	3.0	1.0				
100.800	5.0196	0.00686	2.3E 00	2.049E 01	2.666E 00	2.442E 00	2.213E-01	4.841E-01	3.0	1.0				
101.000	5.0386	0.00679	2.3E 00	1.933E 01	2.689E 00	2.464E 00	2.485E-01	4.804F-01	3.0	1.0				
101.200	5.0591	0.00674	2.2E 00	1.936E 01	2.712E 00	2.485E 00	2.642F-01	4.765E-01	3.0	1.0				
101.400	5.0813	0.00668	2.4E 00	2.090E 01	2.734C 00	2.507E 00	2.906E-01	5.612E-01	3.0	1.0				
101.600	5.1054	0.00662	2.3E 00	1.965E 01	2.756E 00	2.529E 00	3.138E-01	5.562E-01	3.0	1.0				
101.800	5.1311	0.00656	2.4E 00	2.120E 01	2.777E 00	2.551E 00	3.406E-01	6.176E-01	3.0	1.0				
102.000	5.1587	0.00651	2.4E 00	2.105E 01	2.799E 00	2.573E 00	3.669E-01	6.412E-01	3.0	1.0				
102.200	5.1882	0.00645	2.4E 00	2.133E 01	2.820E 00	2.594E 00	3.937E-01	6.745E-01	3.0	1.0				
102.400	5.2195	0.00640	2.4E 00	2.160E 01	2.841E 00	2.616E 00	4.210E-01	7.079E-01	3.0	1.0				
102.600	5.2525	0.00635	2.4E 00	2.140E 01	2.862E 00	2.637E 00	4.476E-01	7.309E-01	3.0	1.0				
102.800	5.2875	0.00630	2.5E 00	2.352E 01	2.882E 00	2.658E 00	4.793E-01	8.073E-01	3.0	1.0				
103.000	5.3245	0.00625	2.4E 00	2.170E 01	2.902E 00	2.679E 00	5.063E-01	7.976E-01	3.0	1.0				
103.200	5.3631	0.00620	2.4E 00	2.194E 01	2.923E 00	2.700E 00	5.338E-01	8.307E-01	3.0	1.0				
103.400	5.4036	0.00615	2.4E 00	2.310E 01	2.953E 00	2.721E 00	5.632E-01	8.777E-01	3.0	1.0				
103.600	5.4458	0.00610	2.4E 00	2.160E 01	2.980E 00	2.743E 00	5.884E-01	8.668E-01	3.0	1.0				
103.800	5.4891	0.00605	2.3E 00	1.861E 01	3.008E 00	2.764E 00	6.054E-01	8.066E-01	2.0	1.0				
104.000	5.5333	0.00601	2.2E 00	1.838E 01	3.037E 00	2.785E 00	6.209E-01	8.066E-01	2.0	1.0				
104.200	5.5782	0.00596	2.2E 00	1.822E 01	3.065E 00	2.806E 00	6.350E-01	8.066E-01	2.0	1.0				
104.400	5.6243	0.00591	2.5E 00	2.370E 01	3.092E 00	2.830E 00	6.626E-01	9.662E-01	3.0	1.0				
104.600	5.6718	0.00587	2.4E 00	2.276E 01	3.120E 00	2.853E 00	6.873E-01	9.662E-01	3.0	1.0				
104.800	5.7205	0.00582	2.4E 00	2.195E 01	3.148E 00	2.877E 00	7.095E-01	9.662E-01	2.0	1.0				

104.200	5.5782	0.00596	2.2E 00	1.822E 01	3.065E 00	2.785E 00	6.209E-01	8.066E-01	2.0	1.0
104.400	5.6243	0.00591	2.5E 00	2.370E 01	3.092E 00	2.806E 00	6.350E-01	8.066E-01	2.0	1.0
104.600	5.6718	0.00587	2.4E 00	2.276E 01	3.120E 00	2.850E 00	6.626E-01	9.662E-01	3.0	1.0
104.800	5.7205	0.00582	2.4E 00	2.195E 01	3.148E 00	2.877E 00	7.095E-01	9.662E-01	2.0	1.0
105.000	5.7704	0.00577	2.4E 00	2.134E 01	3.176E 00	2.900E 00	7.295E-01	9.662E-01	2.0	1.0
105.200	5.8211	0.00572	2.4E 00	2.085E 01	3.204E 00	2.924E 00	7.477E-01	9.662E-01	2.0	1.0
105.400	5.8733	0.00568	2.7E 00	2.915E 01	3.229E 00	2.950E 00	7.861E-01	1.192E 00	3.0	1.0
105.600	5.9275	0.00563	2.6E 00	2.750E 01	3.256E 00	2.976E 00	8.201E-01	1.192E 00	3.0	1.0
105.800	5.9834	0.00558	2.6E 00	2.611E 01	3.282E 00	3.001E 00	8.504E-01	1.192E 00	3.0	1.0
106.000	6.0408	0.00553	2.5E 00	2.488E 01	3.309E 00	3.025E 00	8.775E-01	1.192E 00	2.0	1.0
106.200	6.0992	0.00548	2.9E 00	3.544E 01	3.607E 00	3.077E 00	9.050E-01	1.183E 00	3.0	1.0
106.400	6.1592	0.00537	3.1E 00	4.128E 01	3.621E 00	3.129E 00	9.560E-01	1.446E 00	3.0	1.0
106.600	6.2212	0.00529	3.0E 00	3.758E 01	3.636E 00	3.174E 00	9.987E-01	1.433E 00	3.0	1.0
106.800	6.2849	0.00522	2.9E 00	3.441E 01	3.651E 00	3.215E 00	1.035E 00	1.420E 00	3.0	1.0
107.000	6.3498	0.00516	2.8E 00	3.160E 01	3.666E 00	3.251E 00	1.065E 00	1.407E 00	2.0	1.0
107.200	6.4157	0.00510	2.7E 00	2.926E 01	3.680E 00	3.285E 00	1.090E 00	1.393E 00	2.0	1.0
107.400	6.4825	0.00505	2.6E 00	2.723E 01	3.695E 00	3.316E 00	1.112E 00	1.380E 00	2.0	1.0
107.600	6.5498	0.00501	2.5E 00	2.546E 01	3.710E 00	3.344E 00	1.131E 00	1.366E 00	2.0	1.0
107.800	6.6176	0.00496	2.5E 00	2.393E 01	3.725E 00	3.371E 00	1.146E 00	1.351E 00	2.0	1.0
108.000	6.6858	0.00493	2.4E 00	2.260E 01	3.740E 00	3.396E 00	1.159E 00	1.337E 00	2.0	1.0
108.200	6.7541	0.00489	2.4E 00	2.146E 01	3.754E 00	3.420E 00	1.170E 00	1.323E 00	2.0	1.0
108.400	6.8228	0.00486	2.5E 00	2.327E 01	3.775E 00	3.444E 00	1.186E 00	1.409E 00	2.0	1.0
108.600	6.8919	0.00482	2.4E 00	2.254E 01	3.793E 00	3.468E 00	1.201E 00	1.409E 00	2.0	1.0
108.800	6.9613	0.00479	2.4E 00	2.190E 01	3.812E 00	3.491E 00	1.215E 00	1.409E 00	2.0	1.0
109.000	7.0311	0.00476	2.4E 00	2.134E 01	3.830E 00	3.513E 00	1.228E 00	1.409E 00	2.0	1.0
109.200	7.1011	0.00473	2.4E 00	2.085E 01	3.849E 00	3.534E 00	1.239E 00	1.409E 00	2.0	1.0
109.400	7.1713	0.00470	2.3E 00	2.042E 01	3.867E 00	3.555E 00	1.250E 00	1.409E 00	2.0	1.0
109.600	7.2417	0.00467	2.3E 00	2.005E 01	3.886E 00	3.575E 00	1.260E 00	1.409E 00	2.0	1.0
109.800	7.3122	0.00465	2.3E 00	1.972E 01	3.904E 00	3.595E 00	1.269E 00	1.409E 00	2.0	1.0
110.000	7.3828	0.00462	2.3E 00	1.944E 01	3.923E 00	3.616E 00	1.277E 00	1.409E 00	2.0	1.0
110.200	7.4535	0.00460	2.3E 00	1.920E 01	3.941E 00	3.636E 00	1.285E 00	1.409E 00	2.0	1.0
111.200	7.8277	0.02307	2.5E 00	2.355E 01	3.474E 00	3.589E 00	1.418E 00	1.745E 00	3.0	1.0
112.200	8.2554	0.02414	3.0E 00	3.882E 01	2.818E 00	3.315E 00	1.534E 00	1.745E 00	3.0	1.0
113.200	8.7651	0.02696	3.3E 00	4.823E 01	2.251E 00	2.868E 00	1.617E 00	1.730E 00	4.0	1.0
114.200	9.4114	0.03288	3.5E 00	5.472E 01	1.569E 00	2.202E 00	1.660E 00	1.700E 00	4.0	1.0
114.324	9.5000	0.00445	4.9E 00	1.070E 02	4.220E 00	2.449E 00	1.658E 00	1.647E 00	6.0	-1.0
115.294	10.0000	0.02536	5.0E 00	1.107E 02	5.145E 00	3.925E 00	1.629E 00	1.604E 00	4.0	-1.0
116.608	10.5000	0.02607	3.6E 00	5.642E 01	5.197E 00	4.475E 00	1.568E 00	1.489E 00	3.0	-1.0
117.499	10.8000	0.01620	3.2E 00	4.299E 01	5.331E 00	4.701E 00	1.518E 00	1.379E 00	3.0	-1.0
118.149	11.0000	0.01130	3.4E 00	5.007E 01	5.594E 00	4.883E 00	1.433E 00	1.099E 00	3.0	-1.0

VDYWM = 1.3696E 00 VDXWM = 5.0438E 00

119.149	11.2715	0.01652	3.6E 00	5.589E 01	5.804E 00	5.205E 00	1.306E 00	1.071E 00	27.0	1.0
120.149	11.5134	0.01583	2.7E 00	3.049E 01	5.741E 00	5.327E 00	1.240E 00	1.017E 00	3.0	1.0
121.149	11.7122	0.01547	3.7E 00	6.004E 01	5.733E 00	5.444E 00	9.005E-01	6.556E-02	3.0	1.0
122.149	11.8582	0.01523	3.1E 00	4.191E 01	5.653E 00	5.496E 00	6.973E-01	7.980E-02	3.0	1.0
123.149	11.9728	0.01514	2.7E 00	3.077E 01	5.573E 00	5.513E 00	5.640E-01	9.025E-02	3.0	1.0
124.149	12.0667	0.01512	2.5E 00	2.369E 01	5.493E 00	5.509E 00	4.710E-01	9.846E-02	3.0	1.0
125.149	12.1447	0.01515	2.4E 00	2.212E 01	5.442E 00	5.496E 00	3.871E-01	4.220E-02	3.0	1.0
126.149	12.2095	0.01519	2.2E 00	1.816E 01	5.405E 00	5.479E 00	3.242E-01	4.476E-02	3.0	1.0
127.149	12.2643	0.01524	2.1E 00	1.537E 01	5.369E 00	5.460E 00	2.757E-01	4.688E-02	3.0	1.0
128.149	12.3114	0.01529	2.0E 00	1.345E 01	5.333E 00	5.439E 00	2.374E-01	4.868E-02	3.0	1.0
129.149	12.3523	0.01536	2.0E 00	1.216E 01	5.297E 00	5.415E 00	2.066E-01	5.022E-02	3.0	1.0
130.149	12.3882	0.01542	1.9E 00	1.136E 01	5.261E 00	5.390E 00	1.815E-01	5.156E-02	3.0	1.0
131.149	12.4200	0.01550	1.9E 00	1.089E 01	5.225E 00	5.364E 00	1.608E-01	5.274E-02	3.0	1.0
132.149	12.4485	0.01558	1.9E 00	1.066E 01	5.189E 00	5.336E 00	1.436E-01	5.378E-02	3.0	1.0
133.149	12.4737	0.01566	1.9E 00	1.075E 01	5.164E 00	5.308E 00	1.247E-01	2.711E-02	3.0	1.0
134.149	12.4958	0.01574	1.8E 00	9.803E 00	5.147E 00	5.282E 00	1.093E-01	2.752E-02	3.0	1.0
135.149	12.5153	0.01581	1.8E 00	9.065E 00	5.129E 00	5.258E 00	9.660E-02	2.788E-02	3.0	1.0
136.149	12.5327	0.01588	1.8E 00	8.490E 00	5.111E 00	5.236E 00	8.605E-02	2.820E-02	3.0	1.0
137.149	12.5484	0.01595	1.7E 00	8.042E 00	5.093E 00	5.214E 00	7.726E-02	2.848E-02	3.0	1.0
138.149	12.5625	0.01602	1.7E 00	7.692E 00	5.075E 00	5.193E 00	6.989E-02	2.874E-02	3.0	1.0
139.149	12.5754	0.01608	1.7E 00	7.417E 00	5.057E 00	5.172E 00	6.371E-02	2.897E-02	3.0	1.0
140.149	12.5872	0.01614	1.7E 00	7.201E 00	5.039E 00	5.152E 00	5.850E-02	2.918E-02	3.0	1.0

-0. 6.90625 1.00000 -0.

XNN1	YNN1	DTN	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	6.9050	0.08342	1.1E 00	2.226E-01	9.963E-01	9.980E-01	-8.645E-04	-1.343E-03	1.0	1.0
2.000	6.9048	0.08353	1.0E 00	8.040E-02	9.967E-01	9.973E-01	-1.259E-03	-1.343E-03	1.0	1.0
3.000	6.9034	0.08356	1.0E 00	1.560E-02	9.971E-01	9.972E-01	-1.448E-03	-1.342E-03	1.0	1.0
4.000	6.9019	0.08356	1.0E 00	1.553E-02	9.974E-01	9.973E-01	-1.469E-03	-1.342E-03	1.0	1.0

5.000	6.9004	0.08355	1.0E 00	2.998E-02	9.970E-01	9.9[illegible]E-01	-1.489E-03	-1.342E-03	1.0	1.0
6.000	6.8989	0.08352	1.0E 00	3.670E-02	9.982E-01	9.979E-01	-1.562E-03	-1.415E-03	1.0	1.0
7.000	6.8973	0.08349	1.0E 00	4.161E-02	9.986E-01	9.983E-01	-1.562E-03	-1.415E-03	1.0	1.0
8.000	6.8958	0.08346	1.0E 00	4.365E-02	9.990E-01	9.987E-01	-1.562E-03	-1.415E-03	1.0	1.0
9.000	6.8942	0.08343	1.0E 00	4.464E-02	9.994E-01	9.991E-01	-1.562E-03	-1.414E-03	1.0	1.0
10.000	6.8926	0.08339	1.0E 00	4.513E-02	9.998E-01	9.995E-01	-1.562E-03	-1.414E-03	1.0	1.0
11.000	6.8910	0.08336	1.0E 00	4.578E-02	1.000E 00	9.999E-01	-1.708E-03	-1.561E-03	1.0	1.0
12.000	6.8893	0.08333	1.0E 00	4.839E-02	1.001E 00	1.000E 00	-1.708E-03	-1.561E-03	1.0	1.0
13.000	6.8876	0.08329	1.0E 00	4.930E-02	1.001E 00	1.001E 00	-1.708E-03	-1.561E-03	1.0	1.0
14.000	6.8859	0.08325	1.0E 00	4.974E-02	1.002E 00	1.00[illegible] 00	-1.708E-03	-1.560E-03	1.0	1.0
15.000	6.8842	0.08322	1.0E 00	4.997E-02	1.002E 00	1.00[illegible] 00	-1.708F-03	-1.560E-03	1.0	1.0
16.000	6.8824	0.08318	1.0E 00	5.147E-02	1.003E 00	1.002E 00	-1.897E-03	-1.792E-03	1.0	1.0
17.000	6.8805	0.08314	1.0E 00	5.442E-02	1.003E 00	1.003E 00	-1.93AE-03	-1.792E-03	1.0	1.0
18.000	6.8785	0.08310	1.0E 00	5.608E-02	1.004E 00	1.003E 00	-1.938E-03	-1.791E-03	1.0	1.0
19.000	6.8766	0.08306	1.0E 00	5.675E-02	1.004E 00	1.004E 00	-1.938F-03	-1.791E-03	1.0	1.0
20.000	6.8747	0.08301	1.0E 00	5.709E-02	1.005E 00	1.004E 00	-1.938F-03	-1.790E-03	1.0	1.0
21.000	6.8726	0.08297	1.0E 00	6.030E-02	1.005E 00	1.005E 00	-2.180E-03	-2.126E-03	1.0	1.0
22.000	6.8704	0.08292	1.0E 00	6.353E-02	1.006E 00	1.005E 00	-2.272E-03	-2.126E-03	1.0	1.0
23.000	6.8681	0.08288	1.0E 00	6.597E-02	1.006E 00	1.006E 00	-2.272F-03	-2.125E-03	1.0	1.0
24.000	6.8659	0.08283	1.0E 00	6.693E-02	1.007E 00	1.006F 00	-2.272F-03	-2.124E-03	1.0	1.0
25.000	6.8636	0.08278	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.272E-03	-2.124E-03	1.0	1.0
26.000	6.8612	0.08273	1.0E 00	7.322E-02	1.008E 00	1.008E 00	-2.582E-03	-2.593E-03	1.0	1.0
27.000	6.8586	0.08267	1.0E 00	7.663E-02	1.009E 00	1.008E 00	-2.733E-03	-2.593E-03	1.0	1.0
28.000	6.8559	0.08261	1.0E 00	7.981E-02	1.010E 00	1.009E 00	-2.737E-03	-2.592E-03	1.0	1.0
29.000	6.8532	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-2.737E-03	-2.591E-03	1.0	1.0
30.000	6.8505	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-2.737E-03	-2.590E-03	1.0	1.0
31.000	6.8475	0.08243	1.0E 00	9.145E-02	1.012E 00	1.011E 00	-3.138F-03	-3.237E-03	1.0	1.0
32.000	6.8444	0.08237	1.0E 00	9.497E-02	1.013E 00	1.012E 00	-3.335E-03	-3.236E-03	1.0	1.0
33.000	6.8410	0.08229	1.0E 00	9.876F-02	1.014E 00	1.013E 00	-3.379E-03	-3.234E-03	1.0	1.0
34.000	6.8377	0.08222	1.0E 00	1.008F-01	1.015E 00	1.014E 00	-3.379F-03	-3.233E-03	1.0	1.0
35.000	6.8344	0.08215	1.0E 00	1.017E-01	1.016E 00	1.015E 00	-3.379F-03	-3.231E-03	1.0	1.0
36.000	6.8308	0.08207	1.1E 00	1.168F-01	1.017E 00	1.016E 00	-3.905F-03	-4.122E-03	1.0	1.0
37.000	6.8268	0.08199	1.1E 00	1.204F-01	1.018E 00	1.017E 00	-4.160E-03	-4.120E-03	1.0	1.0
38.000	6.8227	0.08190	1.1E 00	1.250F-01	1.019E 00	1.018E 00	-4.262F-03	-4.118E-03	1.0	1.0
39.000	6.8185	0.08180	1.1E 00	1.278E-01	1.020E 00	1.019E 00	-4.262F-03	-4.115E-03	1.0	1.0
40.000	6.8143	0.08171	1.1E 00	1.291E-01	1.022E 00	1.020E 00	-4.262F-03	-4.113E-03	1.0	1.0
41.000	6.8098	0.08161	1.1E 00	1.522F-01	1.023E 00	1.022E 00	-4.964F-03	-5.346E-03	1.0	1.0
42.000	6.8048	0.08151	1.1E 00	1.556F-01	1.024E 00	1.023E 00	-5.303F-03	-5.343E-03	1.0	1.0
43.000	6.7995	0.08139	1.1E 00	1.613E-01	1.026E 00	1.025E 00	-5.465E-03	-5.339E-03	1.0	1.0
44.000	6.7942	0.08127	1.1E 00	1.650E-01	1.026E 00	1.026E 00	-5.478E-03	-5.335E-03	1.0	1.0
45.000	6.7888	0.08115	1.1E 00	1.668E-01	1.029E 00	1.028E 00	-5.478F-03	-5.331E-03	1.0	1.0
46.000	6.7831	0.08103	1.1E 00	2.022E-01	1.031E 00	1.029E 00	-6.434E-03	-7.060E-03	1.0	1.0
47.000	6.7766	0.08089	1.1E 00	2.049E-01	1.033E 00	1.031E 00	-6.899E-03	-7.055E-03	1.0	1.0
48.000	6.7698	0.08074	1.1E 00	2.121E-01	1.035E 00	1.033E 00	-7.118E-03	-7.048E-03	1.0	1.0
49.000	6.7629	0.08059	1.1E 00	2.169E-01	1.037E 00	1.035E 00	-7.183E-03	-7.042E-03	1.0	1.0
50.000	6.7559	0.08044	1.1E 00	2.195E-01	1.039E 00	1.037E 00	-7.183F-03	-7.035E-03	1.0	1.0
51.000	6.7485	0.08030	1.1E 00	2.008E-01	1.041E 00	1.039E 00	-8.167E-03	-9.500E-03	2.0	1.0
52.000	6.7404	0.08015	1.1E 00	2.298E-01	1.044E 00	1.041E 00	-8.775E-03	-9.490E-03	2.0	1.0
53.000	6.7318	0.07999	1.1E 00	2.536E-01	1.047E 00	1.043E 00	-9.147E-03	-9.479E-03	2.0	1.0
54.000	6.7229	0.07980	1.1E 00	2.699E-01	1.049E 00	1.045E 00	-9.374E-03	-9.468E-03	2.0	1.0
55.000	6.7139	0.07961	1.1E 00	2.806E-01	1.052E 00	1.048E 00	-9.509E-03	-9.456E-03	2.0	1.0
56.000	6.7042	0.07941	1.1E 00	3.391E-01	1.055E 00	1.051E 00	-1.096F-02	-1.305E-02	2.0	1.0
57.000	6.6933	0.07917	1.1E 00	3.832E-01	1.059E 00	1.054E 00	-1.193E-02	-1.303[illegible]-02	2.0	1.0
58.000	6.6817	0.07892	1.1E 00	3.606E-01	1.063E 00	1.058E 00	-1.244E-02	-1.301[illegible]-02	2.0	1.0
59.000	6.6698	0.07867	1.1E 00	3.777E-01	1.067E 00	1.061E 00	-1.275E-02	-1.299E-02	2.0	1.0
60.000	6.6578	0.07841	1.1E 00	3.892E-01	1.070E 00	1.065E 00	-1.294E-02	-1.297E-02	2.0	1.0
61.000	6.6445	0.07812	1.1E 00	5.183E-01	1.075E 00	1.070E 00	-1.528E-02	-1.832E-02	3.0	1.0
62.000	6.6296	0.07779	1.1E 00	5.217E-01	1.080E 00	1.07[illegible] 00	-1.664E-02	-1.828E-02	3.0	1.0
63.000	6.6138	0.07745	1.1E 00	5.359E-01	1.085E 00	1.0[illegible]E 00	-1.744E-02	-1.825E-02	3.0	1.0
64.000	6.5975	0.07710	1.1E 00	5.982E-01	1.091E 00	1.083E 00	-1.781E-02	-1.821E-02	3.0	1.0
65.000	6.5810	0.07676	1.1E 00	5.330E-01	1.096E 00	1.088E 00	-1.805E-02	-1.816E-02	2.0	1.0
66.000	6.5628	0.07638	1.2E 00	7.405E-01	1.102E 00	1.094[illegible] 00	-2.163E-02	-2.635E-02	3.0	1.0
67.000	6.5422	0.07594	1.2E 00	7.433E-01	1.110E 00	1.1[illegible] 00	-2.367E-02	-2.629E-02	3.0	1.0
68.000	6.5202	0.07547	1.2E 00	7.656E-01	1.118E 00	1.1[illegible] 00	-2.483E-02	-2.621E-02	3.0	1.0
69.000	6.4976	0.07499	1.2E 00	7.860E-01	1.125E 00	1.115E 00	-2.547E-02	-2.613E-02	3.0	1.0
70.000	6.4747	0.07450	1.2E 00	8.013E-01	1.133E 00	1.122E 00	-2.581E-02	-2.605E-02	3.0	1.0

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]E-01	1.110E 00	1.1[illegible] 00	-2.367E-02	-2.629E-02	3.0	1.0
68.000	6.5202	0.07547	1.2E 00	7.656E-01	1.118E 00	1.10[illegible] 00	-2.483E-02	-2.621E-02	3.0	1.0
69.000	6.4976	0.07499	1.2E 00	7.860E-01	1.125E 00	1.115E 00	-2.547E-02	-2.613E-02	3.0	1.0
70.000	6.4747	0.07450	1.2E 00	8.013E-01	1.133E 00	1.122E 00	-2.581E-02	-2.605E-02	3.0	1.0

71.000	6.4493	0.07398	1.2E 00	1.063E 00	1.142E 00	1.131E 00	-3.140E-02	-3.889E-02	3.0	1.0
72.000	6.4202	0.0733[illegible]	1.2E 00	1.074E 00	1.154E 00	1.140E 00	-3.457E-02	-3.875E-02	3.0	1.0
73.000	6.3893	0.0727[illegible]	1.2E 00	1.117E 00	1.165E 00	1.150E 00	-3.634E-02	-3.860E-02	3.0	1.0
74.000	6.3574	0.07210	1.2E 00	1.155E 00	1.176E 00	1.161E 00	-3.731E-02	-3.843E-02	3.0	1.0
75.000	6.3252	0.07144	1.2E 00	1.184E 00	1.188E 00	1.172E 00	-3.780E-02	-3.826E-02	3.0	1.0
76.000	6.2893	0.07073	1.3E 00	1.625E 00	1.202E 00	1.185E 00	-4.674E-02	-5.879E-02	3.0	1.0
77.000	6.2480	0.06992	1.3E 00	1.634E 00	1.219E 00	1.199E 00	-5.175E-02	-5.850E-02	3.0	1.0
78.000	6.2040	0.06905	1.3E 00	1.704E 00	1.237E 00	1.215E 00	-5.451E-02	-5.816E-02	3.0	1.0
79.000	6.1588	0.06815	1.3E 00	1.768E 00	1.254E 00	1.231E 00	-5.596E-02	-5.780E-02	3.0	1.0
80.000	6.1134	0.06725	1.3E 00	1.818E 00	1.271E 00	1.247E 00	-5.666E-02	-5.743E-02	3.0	1.0
81.000	6.0641	0.06630	1.3E 00	2.309E 00	1.293E 00	1.266E 00	-6.727E-02	-8.190E-02	3.0	1.0
82.000	6.0091	0.06526	1.3E 00	2.386E 00	1.318E 00	1.287E 00	-7.316E-02	-8.131E-02	3.0	1.0
83.000	5.9515	0.06416	1.4E 00	2.502E 00	1.343E 00	1.310E 00	-7.633E-02	-8.066E-02	3.0	1.0
84.000	5.8901	0.06276	1.5E 00	3.830E 00	1.393E 00	1.346E 00	-8.670E-02	-1.003E-01	3.0	1.0
85.000	5.8246	0.06116	1.4E 00	3.657E 00	1.427E 00	1.379E 00	-9.204E-02	-9.932E-02	3.0	1.0
86.000	5.7541	0.05965	1.5E 00	4.037E 00	1.464E 00	1.415E 00	-1.047E-01	-1.224E-01	3.0	1.0
87.000	5.6787	0.05813	1.5E 00	4.191E 00	1.507E 00	1.452E 00	-1.115E-01	-1.210E-01	3.0	1.0
88.000	5.6019	0.05662	1.5[illegible] 00	4.364E 00	1.549E 00	1.491E 00	-1.147E-01	-1.193E-01	3.0	1.0
89.000	5.5223	0.05505	1.6[illegible] 00	5.132E 00	1.602E 00	1.536E 00	-1.263E-01	-1.430E-01	3.0	1.0
90.000	5.4394	0.05343	1.6E 00	5.397E 00	1.65[illegible] 00	1.583E 00	-1.321E-01	-1.408E-01	3.0	1.0
91.000	5.3542	0.05176	1.6E 00	6.005E 00	[illegible]	1.635E 00	-1.4[illegible]E-01	-1.573E-01	3.0	1.0
91.200	5.3368	0.01016	1.6E 00	6.354E 00	1.753E 00	1.646E 00	-1.45[illegible]E-01	-1.541E-01	2.0	1.0
91.400	5.3194	0.01009	1.6E 00	6.455E 00	1.766E 00	1.658E 00	-1.443E-01	-1.535E-01	2.0	1.0
91.600	5.3020	0.01002	1.6E 00	6.550E 00	1.779E 00	1.669E 00	-1.451E-01	-1.528E-01	2.0	1.0
91.800	5.2846	0.00995	1.7E 00	6.639E 00	1.792E 00	1.680E 00	-1.458E-01	-1.522E-01	2.0	1.0
92.000	5.2673	0.00988	1.7E 00	6.723E 00	1.806E 00	1.692E 00	-1.463E-01	-1.515E-01	2.0	1.0
92.200	5.2500	0.00982	1.7E 00	6.802E 00	1.819E 00	1.704E 00	-1.468E-01	-1.509E-01	2.0	1.0
92.400	5.2328	0.00975	1.7E 00	6.877E 00	1.832E 00	1.716E 00	-1.471E-01	-1.502E-01	2.0	1.0
92.600	5.2157	0.00968	1.7E 00	6.948E 00	1.845E 00	1.727E 00	-1.474E-01	-1.496E-01	2.0	1.0
92.800	5.1988	0.00961	1.7E 00	7.131E 00	1.860E 00	1.740E 00	-1.469E-01	-1.418E-01	2.0	1.0
93.000	5.1820	0.00955	1.7E 00	7.294E 00	1.875E 00	1.752E 00	-1.463E-01	-1.410E-01	2.0	1.0
93.200	5.1653	0.00948	1.7E 00	7.443E 00	1.890E 00	1.765E 00	-1.458E-01	-1.402E-01	2.0	1.0
93.400	5.1489	0.00941	1.7E 00	7.580E 00	1.905E 00	1.777E 00	-1.452E-01	-1.393E-01	2.0	1.0
93.600	5.1327	0.00934	1.7E 00	7.707E 00	1.921E 00	1.790E 00	-1.446E-01	-1.385E-01	2.0	1.0
93.800	5.1167	0.00927	1.7E 00	7.924E 00	1.937E 00	1.804E 00	-1.430E-01	-1.270E-01	2.0	1.0
94.000	5.1009	0.00921	1.7E 00	8.074E 00	1.953E 00	1.817E 00	-1.415E-01	-1.261E-01	2.0	1.0
94.200	5.0855	0.00914	1.7E 00	8.213E 00	1.969E 00	1.831E 00	-1.401E-01	-1.252E-01	2.0	1.0
94.400	5.0704	0.00907	1.8E 00	8.429E 00	1.986E 00	1.845E 00	-1.380E-01	-1.170E-01	2.0	1.0
94.600	5.0556	0.00900	1.8E 00	8.641E 00	2.003E 00	1.859E 00	-1.355E-01	-1.102E-01	2.0	1.0
94.800	5.0413	0.00893	1.8E 00	8.872E 00	2.021E 00	1.874E 00	-1.324E-01	-1.014E-01	2.0	1.0
95.000	5.0274	0.00886	1.8E 00	9.110E 00	2.039E 00	1.889E 00	-1.288E-01	-9.239E-02	2.0	1.0
95.200	5.0140	0.00879	1.8E 00	9.237E 00	2.056E 00	1.904E 00	-1.255E-01	-9.140E-02	2.0	1.0
95.400	5.0011	0.00872	1.8E 00	9.607E 00	2.075E 00	1.919E 00	-1.211E-01	-7.666E-02	3.0	1.0
95.600	4.9887	0.00865	1.8E 00	9.714E 00	2.094E 00	1.935E 00	-1.170E-01	-7.567E-02	3.0	1.0
95.800	4.9770	0.00858	1.9E 00	1.022E 01	2.113E 00	1.951E 00	-1.111E-01	-5.179E-02	3.0	1.0
96.000	4.9659	0.00851	1.9E 00	1.029E 01	2.132E 00	1.967E 00	-1.057E-01	-5.079E-02	3.0	1.0
96.200	4.9554	0.00844	1.9E 00	1.038E 01	2.151E 00	1.984E 00	-1.007E-01	-4.984E-02	3.0	1.0
96.400	4.9458	0.00836	1.9E 00	1.136E 01	2.173E 00	2.001E 00	-9.219E-02	-7.051E-03	3.0	1.0
96.600	4.9370	0.00829	1.9E 00	1.135E 01	2.193E 00	2.018E 00	-8.442E-02	-6.080E-03	3.0	1.0
96.800	4.9290	0.00822	1.9E 00	1.136E 01	2.214E 00	2.036E 00	-7.734E-02	-5.199E-03	3.0	1.0
97.000	4.9217	0.00815	1.9E 00	1.140E 01	2.234E 00	2.054E 00	-7.086E-02	-[illegible].399E-03	3.0	1.0
97.200	4.9152	0.00808	1.9E 00	1.144E 01	2.255E 00	2.071E 00	-6.493E-02	-3.672E-03	3.0	1.0
97.400	4.9095	0.00801	2.0E 00	1.340E 01	2.277E 00	2.090E 00	-5.214E-02	7.449E-02	3.0	1.0
97.600	4.9051	0.00794	2.0E 00	1.320E 01	2.299E 00	2.109E 00	-4.061E-02	7.518E-02	3.0	1.0
97.800	4.9018	0.00787	2.0E 00	1.305E 01	2.321E 00	2.128E 00	-3.020E-02	7.572E-02	3.0	1.0
98.000	4.8994	0.00780	2.0E 00	1.295E 01	2.343E 00	2.147E 00	-2.079E-02	7.613E-02	3.0	1.0
98.200	4.8979	0.00773	2.0E 00	1.289E 01	2.365E 00	2.166E 00	-1.228E-02	7.642E-02	3.0	1.0
98.400	4.8975	0.00766	2.1E 00	1.576E 01	2.389E 00	2.187E 00	5.321E-03	1.779E-01	3.0	1.0
98.600	4.8987	0.00759	2.1E 00	1.523E 01	2.412E 00	2.207E 00	2.093E-02	1.779E-01	2.0	1.0
98.800	4.9013	0.00752	2.1E 00	1.491E 01	2.435E 00	2.2[illegible] 00	3.493E-02	1.777E-01	3.0	1.0
99.000	4.9049	0.00745	2.1E 00	1.461E 01	2.458E 00	2.2[illegible] 00	4.746E-02	1.774E-01	3.0	1.0
99.200	4.9096	0.00738	2.1E 00	1.439E 01	2.481E 00	2.2[illegible] 00	5.869E-02	1.768E-01	3.0	1.0
99.400	4.9156	0.00731	2.2E 00	1.713E 01	2.504E 00	2.290E 00	7.804E-02	2.712E-01	3.0	1.0
99.600	4.9232	0.00725	2.2E 00	1.650E 01	2.527E 00	2.311E 00	9.517E-02	2.702E-01	3.0	1.0
99.800	4.9323	0.00718	2.3E 00	1.844E 01	2.551E 00	2.333E 00	1.175E-01	3.392E-01	3.0	1.0
100.000	4.9432	0.00711	2.2E 00	1.762E 01	2.574E 00	2.354E 00	1.372E-01	3.375E-01	3.0	1.0

52

100.200	4.9555	0.00705	2.2E 00	1.694E 01	2.597E 00	2.376E 00	1.546E-01	3.355E-01	3.0	1.0
100.400	4.9695	0.00698	2.3E 00	1.908E 01	2.620E 00	2.398E 00	1.777E-01	4.101E-01	3.0	1.0
100.600	4.9850	0.00692	2.2E 00	1.816E 01	2.644E 00	2.420E 00	1.979E-01	4.074E-01	3.0	1.0
100.800	5.0024	0.00686	2.3E 00	2.052E 01	2.666E 00	2.442E 00	2.243E-01	4.877E-01	3.0	1.0
101.000	5.0216	0.00679	2.3E 00	1.935E 01	2.689E 00	2.464E 00	2.473E-01	4.841E-01	3.0	1.0
101.200	5.0424	0.00674	2.2E 00	1.838E 01	2.712E 00	2.485E 00	2.673E-01	4.800E-01	3.0	1.0
101.400	5.0649	0.00668	2.4E 00	2.092E 01	2.734E 00	2.507E 00	2.979E-01	5.650E-01	3.0	1.0
101.600	5.0892	0.00662	2.3E 00	1.966E 01	2.756E 00	2.529E 00	3.170E-01	5.599E-01	3.0	1.0
101.800	5.1152	0.00656	2.4E 00	2.123E 01	2.777E 00	2.551E 00	3.439E-01	6.217E-01	3.0	1.0
102.000	5.1431	0.00651	2.4E 00	2.107E 01	2.799E 00	2.573E 00	3.702E-01	6.451E-01	3.0	1.0
102.200	5.1728	0.00645	2.4E 00	2.135E 01	2.820E 00	2.594E 00	3.971E-01	6.784E-01	3.0	1.0
102.400	5.2043	0.00640	2.4E 00	2.162E 01	2.841E 00	2.616E 00	4.244E-01	7.119E-01	3.0	1.0
102.600	5.2376	0.00635	2.4E 00	2.142E 01	2.862E 00	2.637E 00	4.511E-01	7.349E-01	3.0	1.0
102.800	5.2729	0.00629	2.5E 00	2.354E 01	2.882E 00	2.658E 00	4.828E-01	8.115E-01	3.0	1.0
103.000	5.3101	0.00624	2.4E 00	2.172E 01	2.902E 00	2.679E 00	5.099E-01	8.017E-01	3.0	1.0
103.200	5.3491	0.00620	2.4E 00	2.196E 01	2.923E 00	2.700E 00	5.374E-01	8.348E-01	3.0	1.0
103.400	5.3898	0.00615	2.4E 00	2.310E 01	2.953E 00	2.721E 00	5.669E-01	8.815E-01	3.0	1.0
103.600	5.4322	0.00610	2.4E 00	2.160E 01	2.980E 00	2.743E 00	5.920E-01	8.705E-01	3.0	1.0
103.800	5.4758	0.00605	2.3E 00	1.849E 01	3.008E 00	2.764E 00	6.047E-01	8.066E-01	2.0	1.0
104.000	5.5203	0.00601	2.2E 00	1.827E 01	3.037E 00	2.785E 00	6.240E-01	8.066E-01	2.0	1.0
104.200	5.5654	0.00596	2.2E 00	1.813E 01	3.065E 00	2.806E 00	6.379E-01	8.066E-01	2.0	1.0
104.400	5.6116	0.00591	2.5E 00	2.359E 01	3.092E 00	2.830E 00	6.651E-01	9.662E-01	3.0	1.0
104.600	5.6593	0.00587	2.4E 00	2.267E 01	3.120E 00	2.853E 00	6.896E-01	9.662E-01	3.0	1.0
104.800	5.7082	0.00582	2.4E 00	2.187E 01	3.148E 00	2.877E 00	7.115E-01	9.662E-01	2.0	1.0
105.000	5.7582	0.00577	2.4E 00	2.127E 01	3.176E 00	2.900E 00	7.314E-01	9.662E-01	2.0	1.0
105.200	5.8090	0.00572	2.4E 00	2.080E 01	3.204E 00	2.923E 00	7.494E-01	9.662E-01	2.0	1.0
105.400	5.8614	0.00568	2.7E 00	2.908E 01	3.229E 00	2.950E 00	7.877E-01	1.192E 00	3.0	1.0
105.600	5.9157	0.00563	2.6E 00	2.744E 01	3.256E 00	2.975E 00	8.215E-01	1.192E 00	3.0	1.0
105.800	5.9717	0.00558	2.6E 00	2.606E 01	3.282E 00	3.000E 00	8.517E-01	1.192E 00	3.0	1.0
106.000	6.0291	0.00553	2.5E 00	2.484E 01	3.309E 00	3.025E 00	8.787E-01	1.192E 00	2.0	1.0
106.200	6.0876	0.00546	2.9E 00	3.549E 01	3.607E 00	3.077E 00	9.063E-01	1.186E 00	3.0	1.0
106.400	6.1477	0.00537	3.1E 00	4.132E 01	3.621E 00	3.129E 00	9.575E-01	1.448E 00	3.0	1.0
106.600	6.2098	0.00529	3.0E 00	3.762E 01	3.636E 00	3.174E 00	1.000E 00	1.436E 00	3.0	1.0
106.800	6.2736	0.00522	2.9E 00	3.445E 01	3.651E 00	3.215E 00	1.036E 00	1.423E 00	3.0	1.0
107.000	6.3386	0.00516	2.8E 00	3.163E 01	3.666E 00	3.251E 00	1.067E 00	1.409E 00	2.0	1.0
107.200	6.4047	0.00510	2.7E 00	2.912E 01	3.680E 00	3.285E 00	1.092E 00	1.396E 00	2.0	1.0
107.400	6.4715	0.00505	2.6E 00	2.725E 01	3.695E 00	3.316E 00	1.114E 00	1.382E 00	2.0	1.0
107.600	6.5390	0.00501	2.5E 00	2.548E 01	3.710E 00	3.344E 00	1.132E 00	1.368E 00	2.0	1.0
107.800	6.6069	0.00496	2.5E 00	2.394E 01	3.725E 00	3.371E 00	1.148E 00	1.354E 00	2.0	1.0
108.000	6.6751	0.00493	2.4E 00	2.261E 01	3.740E 00	3.396E 00	1.161E 00	1.339E 00	2.0	1.0
108.200	6.7436	0.00489	2.4E 00	2.147E 01	3.754E 00	3.420E 00	1.172E 00	1.325E 00	2.0	1.0
108.400	6.8123	0.00486	2.4E 00	2.321E 01	3.775E 00	3.444E 00	1.185E 00	1.409E 00	2.0	1.0
108.600	6.8815	0.00482	2.4E 00	2.249E 01	3.793E 00	3.468E 00	1.203E 00	1.409E 00	2.0	1.0
108.800	6.9511	0.00479	2.4E 00	2.186E 01	3.812E 00	3.490E 00	1.216E 00	1.409E 00	2.0	1.0
109.000	7.0209	0.00476	2.4E 00	2.130E 01	3.830E 00	3.513E 00	1.229E 00	1.409E 00	2.0	1.0
109.200	7.0910	0.00473	2.4E 00	2.082E 01	3.849E 00	3.534E 00	1.240E 00	1.409E 00	2.0	1.0
109.400	7.1613	0.00470	2.3E 00	2.039E 01	3.867E 00	3.555E 00	1.251E 00	1.409E 00	2.0	1.0
109.600	7.2317	0.00467	2.3E 00	2.002E 01	3.886E 00	3.576E 00	1.261E 00	1.409E 00	2.0	1.0
109.800	7.3023	0.00465	2.3E 00	1.970E 01	3.904E 00	3.596E 00	1.270E 00	1.409E 00	2.0	1.0
110.000	7.3730	0.00462	2.3E 00	1.942E 01	3.923E 00	3.616E 00	1.278E 00	1.409E 00	2.0	1.0
110.200	7.4437	0.00460	2.3E 00	1.918E 01	3.941E 00	3.636E 00	1.286E 00	1.409E 00	2.0	1.0
111.200	7.8182	0.02307	2.5E 00	2.351E 01	3.474E 00	3.589E 00	1.419E 00	1.745E 00	3.0	1.0
112.200	8.2460	0.02414	3.0E 00	3.880E 01	2.818E 00	3.315E 00	1.535E 00	1.745E 00	3.0	1.0

MATRAT= 5.64755404E-04 AVS= 1.80997254E 01
XP= 1.12001731E 02 YP= 8.16123068E 00 WATER 0.020931

MATRAT= 0. AVS= 1.93110396E 01
XP= 0. YP= 0. WATER 0.020931

-0. 7.00000 1.00000 -0.

-0. 7.00000 1.00000 -0.

XNN1	YMN1	DTW	CK	REN	VMX	VOXWN	VOYWN1	VDY	XRT	DIRECT
1.000	6.9996	0.08342	1.1E 00	2.230E-01	9.963E-01	9.980E-01	-8.741E-04	-1.360E-03	1.0	1.0
2.000	6.9985	0.08353	1.0E 00	8.055E-02	9.967E-01	9.973E-01	-1.273E-03	-1.360E-03	1.0	1.0
3.000	6.9971	0.08356	1.0E 00	1.566E-02	9.971E-01	9.972E-01	-1.464E-03	-1.360E-03	1.0	1.0
4.000	6.9956	0.08356	1.0E 00	1.549E-02	9.974E-01	9.973E-01	-1.507E-03	-1.360E-03	1.0	1.0
5.000	6.9941	0.08355	1.0E 00	2.998E-02	9.978E-01	9.976E-01	-1.507E-03	-1.360E-03	1.0	1.0
6.000	6.9926	0.08352	1.0E 00	3.669E-02	9.982E-01	9.979E-01	-1.581E-03	-1.434E-03	1.0	1.0
7.000	6.9910	0.08349	1.0E 00	4.161E-02	9.986E-01	9.983E-01	-1.581E-03	-1.434E-03	1.0	1.0
8.000	6.9894	0.08346	1.0E 00	4.365E-02	9.990E-01	9.987E-01	-1.581E-03	-1.433E-03	1.0	1.0
9.000	6.9878	0.08343	1.0E 00	4.464E-02	9.994E-01	9.991E-01	-1.581E-03	-1.433E-03	1.0	1.0
10.000	6.9862	0.08339	1.0E 00	4.511E-02	9.998E-01	9.995E-01	-1.581E-03	-1.433E-03	1.0	1.0
11.000	6.9846	0.08336	1.0E 00	4.578E-02	1.000E 00	9.999E-01	-1.728E-03	-1.582E-03	1.0	1.0
12.000	6.9828	0.08333	1.0E 00	4.839E-02	1.001E 00	1.000E 00	-1.728E-03	-1.582E-03	1.0	1.0
13.000	6.9811	0.08329	1.0E 00	4.929E-02	1.001E 00	1.001E 00	-1.728E-03	-1.581E-03	1.0	1.0
14.000	6.9794	0.08325	1.0E 00	4.974E-02	1.002E 00	1.001E 00	-1.728E-03	-1.581E-03	1.0	1.0
15.000	6.9777	0.08322	1.0E 00	4.996E-02	1.002E 00	1.002E 00	-1.728E-03	-1.580E-03	1.0	1.0
16.000	6.9758	0.08318	1.0E 00	5.149E-02	1.003E 00	1.002E 00	-1.919E-03	-1.816E-03	1.0	1.0
17.000	6.9739	0.08314	1.0E 00	5.441E-02	1.003E 00	1.003E 00	-1.962E-03	-1.815E-03	1.0	1.0
18.000	6.9720	0.08310	1.0E 00	5.609E-02	1.004E 00	1.003E 00	-1.962E-03	-1.815E-03	1.0	1.0
19.000	6.9700	0.08306	1.0E 00	5.675E-02	1.004E 00	1.004E 00	-1.962E-03	-1.814E-03	1.0	1.0
20.000	6.9680	0.08301	1.0E 00	5.709E-02	1.005E 00	1.004E 00	-1.962E-03	-1.814E-03	1.0	1.0
21.000	6.9660	0.08297	1.0E 00	6.034E-02	1.005E 00	1.005E 00	-2.206E-03	-2.154E-03	1.0	1.0
22.000	6.9637	0.08292	1.0E 00	6.352E-02	1.006E 00	1.005E 00	-2.300E-03	-2.154E-03	1.0	1.0
23.000	6.9614	0.08288	1.0E 00	6.597E-02	1.006E 00	1.006E 00	-2.300E-03	-2.153E-03	1.0	1.0
24.000	6.9592	0.08283	1.0E 00	6.693E-02	1.007E 00	1.006E 00	-2.300E-03	-2.152E-03	1.0	1.0
25.000	6.9569	0.08278	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.300E-03	-2.152E-03	1.0	1.0
26.000	6.9544	0.08273	1.0E 00	7.330E-02	1.008E 00	1.008E 00	-2.613E-03	-2.628E-03	1.0	1.0
27.000	6.9518	0.08267	1.0E 00	7.664E-02	1.009E 00	1.008E 00	-2.765E-03	-2.627E-03	1.0	1.0
28.000	6.9490	0.08261	1.0E 00	7.980E-02	1.010E 00	1.009E 00	-2.771E-03	-2.626E-03	1.0	1.0
29.000	6.9463	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-2.771E-03	-2.625E-03	1.0	1.0
30.000	6.9435	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-2.771E-03	-2.624E-03	1.0	1.0
31.000	6.9406	0.08243	1.0E 00	9.159E-02	1.012E 00	1.011E 00	-3.176E-03	-3.279E-03	1.0	1.0
32.000	6.9374	0.08237	1.0E 00	9.498E-02	1.013E 00	1.012E 00	-3.373E-03	-3.278E-03	1.0	1.0
33.000	6.9340	0.08229	1.0E 00	9.877E-02	1.014E 00	1.013E 00	-3.421E-03	-3.276E-03	1.0	1.0
34.000	6.9306	0.08222	1.0E 00	1.009E-01	1.015E 00	1.014E 00	-3.421E-03	-3.275E-03	1.0	1.0
35.000	6.9273	0.08215	1.0E 00	1.017E-01	1.016E 00	1.015E 00	-3.421E-03	-3.273E-03	1.0	1.0
36.000	6.9236	0.08207	1.1E 00	1.171E-01	1.017E 00	1.016E 00	-3.952E-03	-4.176E-03	1.0	1.0
37.000	6.9196	0.08199	1.1E 00	1.204E-01	1.018E 00	1.017E 00	-4.211E-03	-4.174E-03	1.0	1.0
38.000	6.9154	0.08190	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-4.316E-03	-4.171E-03	1.0	1.0
39.000	6.9112	0.08180	1.1E 00	1.278E-01	1.020E 00	1.019E 00	-4.316E-03	-4.169E-03	1.0	1.0
40.000	6.9069	0.08171	1.1E 00	1.291E-01	1.022E 00	1.020E 00	-4.316E-03	-4.167E-03	1.0	1.0
41.000	6.9024	0.08161	1.1E 00	1.526E-01	1.023E 00	1.022E 00	-5.026E-03	-5.416E-03	1.0	1.0
42.000	6.8973	0.08151	1.1E 00	1.556E-01	1.024E 00	1.023E 00	-5.368E-03	-5.412E-03	1.0	1.0
43.000	6.8920	0.08139	1.1E 00	1.613E-01	1.026E 00	1.025E 00	-5.532E-03	-5.408E-03	1.0	1.0
44.000	6.8866	0.08127	1.1E 00	1.650E-01	1.028E 00	1.026E 00	-5.547E-03	-5.404E-03	1.0	1.0
45.000	6.8812	0.08115	1.1E 00	1.668E-01	1.029E 00	1.028E 00	-5.547E-03	-5.400E-03	1.0	1.0
46.000	6.8753	0.08103	1.1E 00	2.028E-01	1.031E 00	1.029E 00	-6.519E-03	-7.151E-03	1.0	1.0
47.000	6.8687	0.08089	1.1E 00	2.050E-01	1.033E 00	1.031E 00	-6.985E-03	-7.145E-03	1.0	1.0
48.000	6.8619	0.08074	1.1E 00	2.121E-01	1.035E 00	1.033E 00	-7.207E-03	-7.139E-03	1.0	1.0
49.000	6.8549	0.08059	1.1E 00	2.169E-01	1.037E 00	1.035E 00	-7.274E-03	-7.132E-03	1.0	1.0
50.000	6.8478	0.08044	1.1E 00	2.195E-01	1.039E 00	1.037E 00	-7.274E-03	-7.125E-03	1.0	1.0
51.000	6.8404	0.08030	1.1E 00	2.014E-01	1.041E 00	1.039E 00	-8.269E-03	-9.621E-03	2.0	1.0
52.000	6.8321	0.08015	1.1E 00	2.300E-01	1.044E 00	1.041E 00	-8.884E-03	-9.611E-03	2.0	1.0
53.000	6.8234	0.07999	1.1E 00	2.536E-01	1.047E 00	1.043E 00	-9.261E-03	-9.600E-03	2.0	1.0
54.000	6.8144	0.07980	1.1E 00	2.699E-01	1.049E 00	1.045E 00	-9.490E-03	-9.589E-03	2.0	1.0
55.000	6.8053	0.07961	1.1E 00	2.806E-01	1.052E 00	1.048E 00	-9.627E-03	-9.577E-03	2.0	1.0
56.000	6.7954	0.07941	1.1E 00	3.399E-01	1.055E 00	1.0[illegible]1E 00	-1.110E-02	-1.321E-02	2.0	1.0
57.000	6.7844	0.07917	1.1E 00	3.835E-01	1.059E 00	1.054E 00	-1.208E-02	-1.319E-02	3.0	1.0
58.000	6.7727	0.07892	1.1E 00	3.607E-01	1.063E 00	1.058E 00	-1.260E-02	-1.317E-02	2.0	1.0
59.000	6.7607	0.07867	1.1E 00	3.777E-01	1.067E 00	1.061E 00	-1.291E-02	-1.315E-02	2.0	1.0
60.000	6.7484	0.07841	1.1E 00	3.892E-01	1.070E 00	1.065E 00	-1.310E-02	-1.313E-02	2.0	1.0
61.000	6.7350	0.07812	1.1E 00	5.197E-01	1.075E 00	1.069E 00	-1.547E-02	-1.855E-02	3.0	1.0
62.000	6.7200	0.07779	1.1E 00	5.221E-01	1.080E 00	1.074E 00	-1.684E-02	-1.851E-02	3.0	1.0
63.000	6.7039	0.07745	1.1E 00	5.360E-01	1.085E 00	1.078E 00	-1.763E-02	-1.847E-02	3.0	1.0
64.000	6.6874	0.07710	1.1E 00	5.082E-01	1.091E 00	1.0[illegible]3E 00	-1.803E-02	-1.843E-02	2.0	1.0
65.000	6.6707	0.07676	1.1E 00	5.330E-01	1.096E 00	1.0[illegible]9E 00	-1.827E-02	-1.839E-02	2.0	1.0

66.000	6.6523	0.07638	1.2E 00	7.427E-01	1.102E 00	-2.189E-02	-2.668E-02	3.0	1.0	
67.000	6.6314	0.07594	1.2E 00	7.440E-01	1.110E 00	-2.396F-02	-2.661E-02	3.0	1.0	
68.000	6.6092	0.07547	1.2E 00	7.658E-01	1.118E 00	-2.513E-02	-2.653E-02	3.0	1.0	
69.000	6.5863	0.07497	1.2E 00	7.860E-01	1.125E 00	-2.574E-02	-2.645E-02	3.0	1.0	
70.000	6.5631	0.07450	1.2E 00	8.013E-01	1.122E 00	-2.613F-02	-2.637E-02	3.0	1.0	
71.000	6.5374	0.07398	1.2E 00	1.067E 00	1.142E 00	-3.170E-02	-3.936E-02	3.0	1.0	
72.000	6.5080	0.07339	1.2E 00	1.075E 00	1.154E 00	-3.499E-02	-3.923E-02	3.0	1.0	
73.000	6.4766	0.07276	1.2E 00	1.117E 00	1.165E 00	-3.679E-02	-3.907E-02	3.0	1.0	
74.000	6.4444	0.07210	1.2E 00	1.155E 00	1.176E 00	-3.776E-02	-3.890E-02	3.0	1.0	
75.000	6.4118	0.07144	1.2E 00	1.184E 00	1.188E 00	-3.826F-02	-3.873E-02	3.0	1.0	
76.000	6.3755	0.07073	1.3E 00	1.631E 00	1.202E 00	-4.731E-02	-5.950E-02	3.0	1.0	
77.000	6.3337	0.06992	1.3E 00	1.636E 00	1.219E 00	-5.237E-02	-5.920E-02	3.0	1.0	
78.000	6.2891	0.06905	1.3E 00	1.704E 00	1.237E 00	-5.516E-02	-5.886E-02	3.0	1.0	
79.000	6.2434	0.06815	1.3E 00	1.768E 00	1.254E 00	-5.663F-02	-5.850E-02	3.0	1.0	
80.000	6.1974	0.06725	1.3E 00	1.818E 00	1.271E 00	-5.734E-02	-5.812E-02	3.0	1.0	
81.000	6.1475	0.06630	1.3E 00	2.316E 00	1.293E 00	-6.80HE-02	-6.290E-02	3.0	1.0	
82.000	6.0919	0.06526	1.3E 00	2.38HE 00	1.310E 00	-7.405E-02	-8.230E-02	3.0	1.0	
83.000	6.0336	0.06416	1.4E 00	2.502E 00	1.343E 00	-7.725E-02	-8.164E-02	3.0	1.0	
84.000	5.9714	0.06296	1.4E 00	3.085E 00	1.375E 00	-8.749E-02	-1.016E-01	3.0	1.0	
85.000	5.9048	0.06146	1.5E 00	4.024E 00	1.427E 00	-9.317E-02	-1.007E-01	3.0	1.0	
86.000	5.8332	0.05979	1.5E 00	4.219E 00	1.464E 00	-1.062F-01	-1.241E-01	3.0	1.0	
87.000	5.7567	0.05H20	1.5E 00	4.285E 00	1.507E 00	-1.130F-01	-1.226E-01	3.0	1.0	
88.000	5.6787	0.05666	1.5E 00	4.413E 00	1.549E 00	-1.163E-01	-1.210E-01	3.0	1.0	
89.000	5.5979	0.05507	1.6E 00	5.162E 00	1.602E 00	-1.281E-01	-1.451E-01	3.0	1.0	
90.000	5.5139	0.05343	1.6E 00	5.410E 00	1.655E 00	-1.341E-01	-1.429E-01	3.0	1.0	
91.000	5.4273	0.05178	1.6E 00	6.018E 00	1.714E 00	-1.445E-01	-1.601E-01	3.0	1.0	
91.200	5.4096	0.01016	1.6E 00	6.360E 00	1.753E 00	-1.457E-01	-1.568E-01	2.0	1.0	
91.400	5.3919	0.01009	1.6E 00	6.460E 00	1.766E 00	-1.467E-01	-1.562E-01	2.0	1.0	
91.600	5.3742	0.01002	1.6E 00	6.554E 00	1.779E 00	-1.475E-01	-1.555E-01	2.0	1.0	
91.800	5.3566	0.00995	1.7E 00	6.642E 00	1.792E 00	-1.482E-01	-1.549E-01	2.0	1.0	
92.000	5.3390	0.00988	1.7E 00	6.725E 00	1.806E 00	-1.488E-01	-1.542E-01	2.0	1.0	
92.200	5.3214	0.00982	1.7E 00	6.804E 00	1.819E 00	-1.492E-01	-1.535E-01	2.0	1.0	
92.400	5.3039	0.00975	1.7E 00	6.879E 00	1.832E 00	-1.496E-01	-1.529E-01	2.0	1.0	
92.600	5.2865	0.00968	1.7E 00	6.950E 00	1.845E 00	-1.499E-01	-1.522E-01	2.0	1.0	
92.800	5.2693	0.00961	1.7E 00	7.130E 00	1.860E 00	-1.495E-01	-1.454E-01	2.0	1.0	
93.000	5.2522	0.00955	1.7E 00	7.293E 00	1.875E 00	-1.490E-01	-1.445E-01	2.0	1.0	
93.200	5.2352	0.00948	1.7E 00	7.443E 00	1.890E 00	-1.485E-01	-1.437E-01	2.0	1.0	
93.400	5.2185	0.00941	1.7E 00	7.586E 00	1.905C 00	-1.480E-01	-1.428E-01	2.0	1.0	
93.600	5.2019	0.00934	1.7E 00	7.706E 00	1.921E 00	-1.475F-01	-1.420E-01	2.0	1.0	
93.800	5.1856	0.00927	1.7E 00	7.919E 00	1.937E 00	-1.460E-01	-1.310E-01	2.0	1.0	
94.000	5.1696	0.00921	1.7E 00	8.069E 00	1.953E 00	-1.446E-01	-1.300E-01	2.0	1.0	
94.200	5.1538	0.00914	1.7E 00	8.209E 00	1.969E 00	-1.432E-01	-1.291E-01	2.0	1.0	
94.400	5.1383	0.00907	1.8E 00	8.422E 00	1.986E 00	-1.412E-01	-1.212E-01	2.0	1.0	
94.600	5.1232	0.00899	1.8E 00	8.632E 00	2.003E 00	-1.388E-01	-1.145E-01	2.0	1.0	
94.800	5.1085	0.00893	1.8E 00	8.859E 00	2.021E 00	-1.359E-01	-1.060E-01	2.0	1.0	
95.000	5.0942	0.00886	1.8E 00	9.094E 00	2.039E 00	-1.324E-01	-9.719E-02	2.0	1.0	
95.200	5.0804	0.00879	1.8E 00	9.225E 00	2.056E 00	-1.292E-01	-9.617E-02	2.0	1.0	
95.400	5.0671	0.00872	1.8E 00	9.587E 00	2.075E 00	-1.249E-01	-8.179E-02	3.0	1.0	
95.600	5.0544	0.00865	1.8E 00	9.699E 00	2.094E 00	-1.209E-01	-8.077E-02	3.0	1.0	
95.800	5.0422	0.00858	1.9E 00	1.019E 01	2.113E 00	-1.152E-01	-5.743E-02	3.0	1.0	
96.000	5.0307	0.00851	1.9E 00	1.027E 01	2.132E 00	-1.099E-01	-5.639E-02	3.0	1.0	
96.200	5.0198	0.00844	1.9E 00	1.036E 01	2.151E 00	-1.051E-01	-5.540C-02	3.0	1.0	
96.400	5.0097	0.00836	1.9E 00	1.131F 01	2.173E 00	-9.674E-02	-1.351E-02	3.0	1.0	
96.600	5.0005	0.00829	1.9E 00	1.131E 01	2.193E 00	-8.915E-02	-1.249E-02	3.0	1.0	
96.800	4.9920	0.00822	1.9E 00	1.133E 01	2.214E 00	-8.221E-02	-1.156E-02	3.0	1.0	
97.000	4.9843	0.00815	1.9E 00	1.137E 01	2.234E 00	-7.587E-02	-1.072E-02	3.0	1.0	
97.200	4.9772	0.00808	1.9E 00	1.143E 01	2.255E 00	-7.005E-02	-9.940E-03	3.0	1.0	
97.400	4.9711	0.00801	2.0E 00	1.333E 01	2.277E 00	-3.751E-02	6.687E-02	3.0	1.0	
97.600	4.9661	0.00794	2.0E 00	1.314E 01	2.299E 00	-4.619E-02	6.763E-02	3.0	1.0	
97.800	4.9622	0.00787	2.0E 00	1.291E 01	2.321E 00	-3.596E-02	6.823E-02	3.0	1.0	
98.000	4.9593	0.00780	2.0E 00	1.292E 01	2.343E 00	-2.671E-02	6.871E-02	3.0	1.0	
98.200	4.9572	0.00773	2.0E 00	1.287E 01	2.365E 00	-1.832E-02	6.907E-02	3.0	1.0	
98.400	4.9563	0.00766	2.1E 00	1.567E 01	2.389E 00	-1.007E-03	1.691E-01	3.0	1.0	
98.600	4.9569	0.00759	2.1E 00	1.517E 01	2.412E 00	1.437E-02	1.692E-01	2.0	1.0	
98.800	4.9589	0.00752	2.1E 00	1.485E 01	2.435E 00	2.818E-02	1.691E-01	3.0	1.0	
99.000	4.9619	0.00745	2.1E 00	1.457E 01	2.458E 00	4.054E-02	1.688E-01	3.0	1.0	

99.000	4.9619	0.00745	2.1E 00	1.485E 01	2.435E 00	2.227E 00	2.818E-02	1.691E-01	3.0	1.0
99.000	4.9619	0.00745	2.1E 00	1.457E 01	2.458E 00	2.24ME 00	4.054E-02	1.688E-01	3.0	1.0
99.200	4.9660	0.00738	2.1E 00	1.436E 01	2.481E 00	2.2[illegible]E 00	5.163E-02	1.684E-01	3.0	1.0
99.400	4.9714	0.00731	2.2E 00	1.705E 01	2.504E 00	2.289E 00	7.073E-02	2.618E-01	3.0	1.0
99.600	4.9783	0.00725	2.2E 00	1.644E 01	2.527E 00	2.311E 00	8.766E-02	2.609E-01	3.0	1.0
99.800	4.9868	0.00718	2.2E 00	1.836E 01	2.551E 00	2.333E 00	1.098E-01	3.292E-01	3.0	1.0
100.000	4.9970	0.00711	2.2E 00	1.755E 01	2.574E 00	2.354E 00	1.292E-01	3.276E-01	3.0	1.0
100.200	5.0086	0.00705	2.2E 00	1.689E 01	2.597E 00	2.376E 00	1.464E-01	3.258E-01	3.0	1.0
100.400	5.0219	0.00698	2.3E 00	1.900E 01	2.620E 00	2.398E 00	1.693E-01	3.997E-01	3.0	1.0
100.600	5.0368	0.00692	2.2E 00	1.810E 01	2.644E 00	2.419E 00	1.693E-01	3.971E-01	3.0	1.0
100.800	5.0534	0.00686	2.3E 00	2.044E 01	2.666E 00	2.442E 00	2.155E-01	4.768E-01	3.0	1.0
101.000	5.0719	0.00680	2.3E 00	1.929E 01	2.689E 00	2.464E 00	2.382E-01	4.733E-01	3.0	1.0
101.200	5.0920	0.00674	2.2E 00	1.833E 01	2.712E 00	2.485E 00	2.582E-01	4.694E-01	3.0	1.0
101.400	5.1137	0.00668	2.4E 00	2.085E 01	2.734E 00	2.507E 00	2.845E-01	5.538E-01	3.0	1.0
101.600	5.1372	0.00662	2.3E 00	1.961E 01	2.756E 00	2.529E 00	3.075E-01	5.489E-01	3.0	1.0
101.800	5.1625	0.00656	2.4E 00	2.116E 01	2.777E 00	2.551E 00	3.342E-01	6.103E-01	3.0	1.0
102.000	5.1896	0.00651	2.4E 00	2.101E 01	2.799E 00	2.572E 00	3.603E-01	6.336E-01	3.0	1.0
102.200	5.2185	0.00645	2.4E 00	2.129E 01	2.820E 00	2.594E 00	3.870E-01	6.668E-01	3.0	1.0
102.400	5.2493	0.00640	2.4E 00	2.156E 01	2.841E 00	2.615E 00	4.142E-01	7.002E-01	3.0	1.0
102.600	5.2818	0.00635	2.4E 00	2.137E 01	2.862E 00	2.637E 00	4.407E-01	7.231E-01	3.0	1.0
102.800	5.3163	0.00630	2.5E 00	2.347E 01	2.882E 00	2.658E 00	4.722E-01	7.992E-01	3.0	1.0
103.000	5.3527	0.00625	2.4E 00	2.167E 01	2.902E 00	2.679E 00	4.992E-01	7.897E-01	3.0	1.0
103.200	5.3909	0.00620	2.4E 00	2.191E 01	2.923E 00	2.700E 00	5.265E-01	8.227E-01	3.0	1.0
103.400	5.4308	0.00615	2.4E 00	2.309E 01	2.953E 00	2.721E 00	5.560E-01	8.702E-01	3.0	1.0
103.600	5.4724	0.00610	2.4E 00	2.160E 01	2.980E 00	2.743E 00	5.811E-01	8.594E-01	3.0	1.0
103.800	5.5153	0.00605	2.3E 00	1.887E 01	3.008E 00	2.764E 00	5.988E-01	8.066E-01	2.0	1.0
104.000	5.5590	0.00601	2.3E 00	1.859E 01	3.037E 00	2.785E 00	6.149E-01	8.066E-01	2.0	1.0
104.200	5.6035	0.00596	2.2E 00	1.840E 01	3.065E 00	2.806E 00	6.295E-01	8.066E-01	2.0	1.0
104.400	5.6492	0.00591	2.5E 00	2.392E 01	3.092E 00	2.830E 00	6.576E-01	9.662E-01	3.0	1.0
104.600	5.6964	0.00586	2.4E 00	2.295E 01	3.120E 00	2.854E 00	6.828E-01	9.662E-01	3.0	1.0
104.800	5.7448	0.00582	2.4E 00	2.210E 01	3.148E 00	2.877E 00	7.054E-01	9.662E-01	2.0	1.0
105.000	5.7944	0.00577	2.4E 00	2.147E 01	3.176E 00	2.901E 00	7.258E-01	9.662E-01	2.0	1.0
105.200	5.8448	0.00572	2.4E 00	2.096E 01	3.204E 00	2.924E 00	7.443E-01	9.662E-01	2.0	1.0
105.400	5.8969	0.00567	2.7E 00	2.929E 01	3.229E 00	2.950E 00	7.831E-01	1.192E 00	3.0	1.0
105.600	5.9509	0.00562	2.6E 00	2.762E 01	3.256E 00	2.976E 00	8.174E-01	1.192E 00	3.0	1.0
105.800	6.0066	0.00558	2.6E 00	2.621E 01	3.282E 00	3.001E 00	8.480E-01	1.192E 00	3.0	1.0
106.000	6.0636	0.00550	2.9E 00	3.677E 01	3.591E 00	3.055E 00	8.795E-01	1.190E 00	3.0	1.0
106.200	6.1216	0.00541	2.8E 00	3.387E 01	3.607E 00	3.104E 00	9.057E-01	1.176E 00	3.0	1.0
106.400	6.1811	0.00533	3.1E 00	4.012E 01	3.621E 00	3.152E 00	9.552E-01	1.441E 00	3.0	1.0
106.600	6.2426	0.00525	2.9E 00	3.658E 01	3.636E 00	3.194E 00	9.968E-01	1.429E 00	3.0	1.0
106.800	6.3058	0.00519	2.8E 00	3.354E 01	3.651E 00	3.232E 00	1.032E 00	1.416E 00	3.0	1.0
107.000	6.3702	0.00513	2.7E 00	3.083E 01	3.666E 00	3.267E 00	1.062E 00	1.403E 00	2.0	1.0
107.200	6.4356	0.00508	2.7E 00	2.857E 01	3.680E 00	3.299E 00	1.087E 00	1.389E 00	2.0	1.0
107.400	6.5019	0.00503	2.6E 00	2.661E 01	3.695E 00	3.328E 00	1.108E 00	1.375E 00	2.0	1.0
107.600	6.5687	0.00499	2.5E 00	2.489E 01	3.710E 00	3.356E 00	1.126E 00	1.361E 00	2.0	1.0
107.800	6.6360	0.00495	2.5E 00	2.341E 01	3.725E 00	3.381E 00	1.142E 00	1.347E 00	2.0	1.0
108.000	6.7037	0.00491	2.4E 00	2.213E 01	3.740E 00	3.406E 00	1.155E 00	1.333E 00	2.0	1.0
108.200	6.7716	0.00488	2.4E 00	2.102E 01	3.754E 00	3.429E 00	1.166E 00	1.319E 00	2.0	1.0
108.400	6.8399	0.00484	2.4E 00	2.303E 01	3.775E 00	3.452E 00	1.182E 00	1.409E 00	2.0	1.0
108.600	6.9086	0.00481	2.4E 00	2.232E 01	3.793E 00	3.475E 00	1.197E 00	1.409E 00	2.0	1.0
108.800	6.9776	0.00478	2.4E 00	2.169E 01	3.812E 00	3.497E 00	1.211E 00	1.409E 00	2.0	1.0
109.000	7.0470	0.00475	2.4E 00	2.115E 01	3.830E 00	3.519E 00	1.224E 00	1.409E 00	2.0	1.0
109.200	7.1167	0.00472	2.3E 00	2.067E 01	3.849E 00	3.540E 00	1.236E 00	1.409E 00	2.0	1.0
109.400	7.1866	0.00469	2.3E 00	2.025E 01	3.867E 00	3.560E 00	1.246E 00	1.409E 00	2.0	1.0
109.600	7.2568	0.00467	2.3E 00	1.988E 01	3.886E 00	3.580E 00	1.257E 00	1.409E 00	2.0	1.0
109.800	7.3270	0.00464	2.3E 00	1.957E 01	3.904E 00	3.600E 00	1.266E 00	1.409E 00	2.0	1.0
110.000	7.3974	0.00462	2.3E 00	1.929E 01	3.923E 00	3.620E 00	1.275E 00	1.409E 00	2.0	1.0
110.200	7.4678	0.00459	2.3E 00	1.906E 01	3.941E 00	3.639E 00	1.283E 00	1.409E 00	2.0	1.0
111.200	7.8411	0.02305	2.5E 00	2.373E 01	3.474E 00	3.591E 00	1.417E 00	1.745E 00	3.0	1.0
112.200	8.2682	0.02413	3.0E 00	3.895E 01	2.818E 00	3.316E 00	1.533E 00	1.745E 00	3.0	1.0
113.200	8.7774	0.02695	3.3E 00	4.829E 01	2.251E 00	2.868E 00	1.616E 00	1.729E 00	4.0	1.0
114.200	9.4232	0.03287	3.5E 00	5.475E 01	1.569E 00	2.203E 00	1.659E 00	1.700E 00	4.0	1.0
114.307	9.5000	0.00386	4.9E 00	1.079E 02	4.220E 00	2.419E 00	1.657E 00	1.647E 00	7.0	-1.0
115.271	10.0000	0.02536	5.0E 00	1.116E 02	5.142E 00	3.915E 00	1.628E 00	1.604E 00	4.0	-1.0
116.583	10.5000	0.02608	3.6E 00	5.685E 01	5.194E 00	4.471E 00	1.568E 00	1.489E 00	4.0	-1.0
117.474	10.8000	0.01620	3.2E 00	4.316E 01	5.331E 00	4.696E 00	1.518E 00	1.379E 00	3.0	-1.0
118.124	11.0000	0.01130	3.4E 00	4.996E 01	5.590E 00	4.880E 00	1.432E 00	1.099E 00	3.0	-1.0

VDYWM = 1.3693E 00 VDXWM = 5.0405E 00

119.124	11.2717	0.01653	3.5E 00	5.580E 01	5.799E 00	5.201E 00	1.306E 00	1.071E 00	27.0	1.0	
120.124	11.5136	0.01584	2.7E 00	3.050E 01	5.737E 00	5.323E 00	1.240E 00	1.017E 00	3.0	1.0	
121.124	11.7124	0.01548	3.7E 00	6.011E 01	5.735E 00	5.442E 00	9.001E-01	6.558E-02	3.0	1.0	
122.124	11.8584	0.01524	3.1E 00	4.193E 01	5.655E 00	5.495E 00	6.969E-01	7.982E-02	3.0	1.0	
123.124	11.9729	0.01514	2.7E 00	3.077E 01	5.575E 00	5.513E 00	5.637E-01	9.027E-02	3.0	1.0	
124.124	12.0668	0.01512	2.5E 00	2.367E 01	5.495E 00	5.509E 00	4.707E-01	9.047E-02	3.0	1.0	
125.124	12.1447	0.01514	2.4E 00	2.210E 01	5.442E 00	5.496E 00	3.869E-01	4.221E-02	3.0	1.0	
126.124	12.2095	0.01519	2.2E 00	1.812E 01	5.406E 00	5.480E 00	3.241E-01	4.476E-02	3.0	1.0	
127.124	12.2643	0.01523	2.1E 00	1.636E 01	5.370E 00	5.460E 00	2.756E-01	4.688E-02	3.0	1.0	
128.124	12.3114	0.01529	2.0E 00	1.343E 01	5.334E 00	5.439E 00	2.373E-01	4.868E-02	3.0	1.0	
129.124	12.3523	0.01535	2.0E 00	1.215E 01	5.298E 00	5.416E 00	2.066E-01	5.022E-02	3.0	1.0	
130.124	12.3882	0.01542	1.9E 00	1.135E 01	5.262E 00	5.391E 00	1.815E-01	5.156E-02	3.0	1.0	
131.124	12.4200	0.01550	1.9E 00	1.088E 01	5.226E 00	5.365E 00	1.608E-01	5.274E-02	3.0	1.0	
132.124	12.4485	0.01557	1.9E 00	1.065E 01	5.190E 00	5.336E 00	1.436E-01	5.378E-02	3.0	1.0	
133.124	12.4737	0.01566	1.9E 00	1.077E 01	5.165E 00	5.309E 00	1.247E-01	2.711E-02	3.0	1.0	
134.124	12.4958	0.01574	1.8E 00	9.816E 00	5.147E 00	5.283E 00	1.093E-01	2.752E-02	3.0	1.0	
135.124	12.5153	0.01581	1.8E 00	9.076E 00	5.129E 00	5.259E 00	9.659E-02	2.788E-02	3.0	1.0	
136.124	12.5327	0.01588	1.8E 00	8.499E 00	5.111E 00	5.236E 00	8.605E-02	2.820E-02	3.0	1.0	
137.124	12.5483	0.01595	1.7E 00	8.050E 00	5.093E 00	5.215E 00	7.725E-02	2.848E-02	3.0	1.0	
138.124	12.5625	0.01601	1.7E 00	7.698E 00	5.075E 00	5.193E 00	6.988E-02	2.874E-02	3.0	1.0	
139.124	12.5753	0.01608	1.7E 00	7.423E 00	5.057E 00	5.173E 00	6.370E-02	2.897E-02	3.0	1.0	
140.124	12.5872	0.01614	1.7E 00	7.206E 00	5.039E 00	5.153E 00	5.850E-02	2.918E-02	3.0	1.0	

-0. 8.00000 1.00000 -0.

XNN1	YNN1	OTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	7.9995	0.08342	1.1E 00	2.269E-01	9.963E-01	9.990E-01	-9.762E-04	-1.550E-03	1.0	1.0
2.000	7.9983	0.08353	1.0E 00	8.229E-02	9.967E-01	9.993E-01	-1.420E-03	-1.550E-03	1.0	1.0
3.000	7.9968	0.08356	1.0E 00	1.651E-02	9.971E-01	9.992E-01	-1.633E-03	-1.550E-03	1.0	1.0
4.000	7.9951	0.08356	1.0E 00	1.512E-02	9.974E-01	9.993E-01	-1.697E-03	-1.550E-03	1.0	1.0
5.000	7.9934	0.08355	1.0E 00	3.000E-02	9.978E-01	9.996E-01	-1.697E-03	-1.549E-03	1.0	1.0
6.000	7.9917	0.08352	1.0E 00	3.664E-02	9.982E-01	9.999E-01	-1.781E-03	-1.634E-03	1.0	1.0
7.000	7.9899	0.08349	1.0E 00	4.161E-02	9.986E-01	1.000E 00	-1.781E-03	-1.634E-03	1.0	1.0
8.000	7.9881	0.08346	1.0E 00	4.365E-02	9.990E-01	1.000E 00	-1.781E-03	-1.633E-03	1.0	1.0
9.000	7.9863	0.08343	1.0E 00	4.465E-02	9.994E-01	1.000E 00	-1.781E-03	-1.633E-03	1.0	1.0
10.000	7.9845	0.08339	1.0E 00	4.514E-02	9.998E-01	1.000E 00	-1.781E-03	-1.632E-03	1.0	1.0
11.000	7.9827	0.08336	1.0E 00	4.580E-02	1.000E 00	1.000E 00	-1.939E-03	-1.802E-03	1.0	1.0
12.000	7.9807	0.08333	1.0E 00	4.829E-02	1.001E 00	1.000E 00	-1.948E-03	-1.802E-03	1.0	1.0
13.000	7.9788	0.08329	1.0E 00	4.929E-02	1.001E 00	1.001E 00	-1.948E-03	-1.801E-03	1.0	1.0
14.000	7.9768	0.08325	1.0E 00	4.974E-02	1.002E 00	1.001E 00	-1.948E-03	-1.801E-03	1.0	1.0
15.000	7.9749	0.08322	1.0E 00	4.997E-02	1.002E 00	1.002E 00	-1.948E-03	-1.800E-03	1.0	1.0
16.000	7.9728	0.08318	1.0E 00	5.169E-02	1.003E 00	1.002E 00	-2.156E-03	-2.068E-03	1.0	1.0
17.000	7.9707	0.08314	1.0E 00	5.432E-02	1.003E 00	1.003E 00	-2.214E-03	-2.067E-03	1.0	1.0
18.000	7.9685	0.08310	1.0E 00	5.609E-02	1.004E 00	1.003E 00	-2.214E-03	-2.067E-03	1.0	1.0
19.000	7.9662	0.08306	1.0E 00	5.675E-02	1.004E 00	1.004E 00	-2.214E-03	-2.066E-03	1.0	1.0
20.000	7.9640	0.08301	1.0E 00	5.709E-02	1.005E 00	1.004E 00	-2.214E-03	-2.066E-03	1.0	1.0
21.000	7.9617	0.08297	1.0E 00	6.087E-02	1.005E 00	1.005E 00	-2.482E-03	-2.453E-03	1.0	1.0
22.000	7.9592	0.08292	1.0E 00	6.347E-02	1.006E 00	1.005E 00	-2.598E-03	-2.452E-03	1.0	1.0
23.000	7.9566	0.08288	1.0E 00	6.596E-02	1.006E 00	1.006E 00	-2.598E-03	-2.451E-03	1.0	1.0
24.000	7.9540	0.08283	1.0E 00	6.693E-02	1.007E 00	1.006E 00	-2.598E-03	-2.451E-03	1.0	1.0
25.000	7.9514	0.08278	1.0E 00	6.741E-02	1.008E 00	1.007E 00	-2.598E-03	-2.450E-03	1.0	1.0
26.000	7.9487	0.08273	1.0E 00	7.431E-02	1.008E 00	1.008E 00	-2.944E-03	-2.991E-03	1.0	1.0
27.000	7.9457	0.08267	1.0E 00	7.666E-02	1.009E 00	1.008E 00	-3.113E-03	-2.990E-03	1.0	1.0
28.000	7.9426	0.08261	1.0E 00	7.971E-02	1.010E 00	1.009E 00	-3.134E-03	-2.994E-03	1.0	1.0
29.000	7.9395	0.08255	1.0E 00	8.118E-02	1.010E 00	1.010E 00	-3.134E-03	-3.98[illegible]	1.0	1.0
30.000	7.9364	0.08249	1.0E 00	8.185E-02	1.011E 00	1.011E 00	-3.134E-03	-3.98[illegible]	1.0	1.0
31.000	7.9330	0.08243	1.0E 00	9.328E-02	1.012E 00	1.011E 00	-3.565E-03	-3.791E-01	1.0	1.0
32.000	7.9294	0.08237	1.0E 00	9.513E-02	1.013E 00	1.012E 00	-3.804E-03	-3.729E-03	1.0	1.0
33.000	7.9256	0.08229	1.0E 00	9.870E-02	1.014E 00	1.013E 00	-3.873E-03	-3.728E-03	1.0	1.0
34.000	7.9218	0.08222	1.0E 00	1.008E-01	1.015E 00	1.014E 00	-3.873E-03	-3.726E-03	1.0	1.0
35.000	7.9180	0.08215	1.0E 00	1.017E-01	1.016E 00	1.015E 00	-3.873E-03	-3.724E-03	1.0	1.0
36.000	7.9139	0.08207	1.1E 00	1.197E-01	1.017E 00	1.016E 00	-4.467E-03	-4.749E-03	1.0	1.0
37.000	7.9093	0.08199	1.1E 00	1.207E-01	1.018E 00	1.017E 00	-4.755E-03	-4.746E-03	1.0	1.0
38.000	7.9046	0.08190	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-4.868E-03	-4.744E-03	1.0	1.0
39.000	7.8998	0.08180	1.1E 00	1.278E-01	1.020E 00	1.019E 00	-4.868E-03	-4.744E-03	1.0	1.0

35.000	7.9180	0.08215	1.0E 00	1.017E-01	1.016E 00	1.015E 00	-3.873E-03	-3.726E-03	1.0	1.0
36.000	7.9139	0.08207	1.1E 00	1.197E-01	1.01?E 00	1.016E 00	-4.467E-03	-4.749E-03	1.0	1.0
37.000	7.9093	0.08199	1.1E 00	1.207E-01	1.018E 00	1.017E 00	-4.755E-03	-4.746E-03	1.0	1.0
38.000	7.9046	0.08190	1.1E 00	1.250E-01	1.019E 00	1.018E 00	-4.868E-03	-4.744E-03	1.0	1.0
39.000	7.8998	0.08180	1.1E 00	1.278E-01	1.020E 00	1.019C 00	-4.888E-03	-4.741E-03	1.0	1.0
40.000	7.8950	0.08171	1.1E 00	1.291E-01	1.022E 00	1.020E 00	-4.888E-03	-4.738E-03	1.0	1.0
41.000	7.8898	0.08161	1.1E 00	1.567E-01	1.023E 00	1.022E 00	-5.685E-03	-6.155E-03	1.0	1.0
42.000	7.8841	0.08151	1.1E 00	1.563E-01	1.024E 00	1.023E 00	-6.06AE-03	-6.151E-03	1.0	1.0
43.000	7.8781	0.08139	1.1E 00	1.613E-01	1.026E 00	1.025E 00	-6.252E-03	-6.147E-03	1.0	1.0
44.00.	7.8719	0.08127	1.1E 00	1.649E-01	1.028E 00	1.026E 00	-6.285E-03	-6.142E-03	1.0	1.0
45.000	7.8658	0.08115	1.1E 00	1.668E-01	1.029E 00	1.028E 00	-6.285E-03	-6.137E-03	1.0	1.0
46.000	7.8592	0.08103	1.1E 00	2.089E-01	1.031E 00	1.029C 00	-7.378E-03	-8.121E-03	1.0	1.0
47.000	7.8518	0.08089	1.1E 00	2.060E-01	1.033E 00	1.031E 00	-7.901E-03	-8.115E-03	1.0	1.0
48.000	7.8440	0.08074	1.1E 00	2.122E-01	1.035E 00	1.033E 00	-8.150E-03	-8.107E-03	1.0	1.0
49.000	7.8361	0.08059	1.1E 00	2.168E-01	1.037E 00	1.035E 00	-8.242E-03	-8.100E-03	1.0	1.0
50.000	7.8281	0.08044	1.1E 00	2.194E-01	1.039E 00	1.037E 00	-8.242E-03	-8.092E-03	1.0	1.0
51.000	7.8196	0.08030	1.1E 00	2.080E-01	1.041E 00	1.039E 00	-9.362E-03	-1.092E-02	2.0	1.0
52.000	7.8103	0.0?[illegible]5	1.1E 00	2.319E-01	1.044E 00	1.041E 00	-1.005E-02	-1.091E-02	2.0	1.0
53.000	7.8004	0.07999	1.1E 00	2.541E-01	1.047E 00	1.043E 00	-1.048E-02	-1.089E-02	2.0	1.0
54.000	7.7903	0.07980	1.1E 00	2.700E-01	1.049E 00	1.045E 00	-1.073E-02	-1.088E-02	2.0	1.0
55.000	7.7799	0.07961	1.1E 00	2.806E-01	1.052E 00	1.048E 00	-1.089E-02	-1.087E-02	2.0	1.0
56.000	7.7687	0.07940	1.1E 00	3.771E-01	1.055E 00	1.051E 00	-1.269E-02	-1.497E-02	3.0	1.0
57.000	7.7562	0.07916	1.1E 00	3.751E-01	1.059E 00	1.054E 00	-1.374E-02	-1.495E-02	3.0	1.0
58.000	7.7429	0.07890	1.1E 00	3.836E-01	1.063E 00	1.058E 00	-1.434E-02	-1.493E-02	3.0	1.0
59.000	7.7292	0.07865	1.1E 00	3.636E-01	1.067E 00	1.061E 00	-1.466E-02	-1.490E-02	2.0	1.0
60.000	7.7153	0.07840	1.1E 00	3.807E-01	1.070E 00	1.065E 00	-1.484E-02	-1.488E-02	2.0	1.0
61.000	7.7001	0.07811	1.1E 00	5.298E-01	1.075E 00	1.069E 00	-1.751E-02	-2.099E-02	3.0	1.0
62.000	7.6831	0.07779	1.1E 0	5.235E-01	1.080E 00	1.074E 00	-1.905E-02	-2.095E-02	3.0	1.0
63.000	7.6650	0.07744	1.1E (	5.354E-01	1.085E 00	1.079E 00	-1.993E-02	-2.091E-02	3.0	1.0
64.000	7.6463	0.07710	1.1E 00	5.074E-01	1.091E 00	1.083E 00	-2.038E-02	-2.086E-02	2.0	1.0
65.000	7.6274	0.07676	1.1E 00	5.324E-01	1.096E 00	1.088E 00	-2.065E-02	-2.081E-02	2.0	1.0
66.000	7.6066	0.07638	1.2E 00	7.674E-01	1.102E 00	1.094E 00	-2.473E-02	-3.014E-02	3.0	1.0
67.000	7.5830	0.07594	1.2E 00	7.512E-01	1.110E 00	1.101E 00	-2.706E-02	-3.007E-02	3.0	1.0
68.000	7.5579	0.07547	1.2E 00	7.675E-01	1.118E 00	1.108E 00	-2.838E-02	-2.998E-02	3.0	1.0
69.000	7.5321	0.07498	1.2E 00	7.862E-01	1.125E 00	1.115E 00	-2.911E-02	-2.989E-02	3.0	1.0
70.000	7.5059	0.07450	1.2E 00	8.011E-01	1.133E 00	1.122E 00	-2.950E-02	-2.980E-02	3.0	1.0
71.000	7.4769	0.07397	1.2E 00	1.109E 00	1.142E 00	1.131E 00	-3.587E-02	-4.441E-02	3.0	1.0
72.000	7.4437	0.07339	1.2E 00	1.087E 00	1.154E 00	1.140E 00	-3.947E-02	-4.425E-02	3.0	1.0
73.000	7.4083	0.07276	1.2E 00	1.120E 00	1.165E 00	1.150E 00	-4.149E-02	-4.407E-02	3.0	1.0
74.000	7.3720	0.07210	1.2E 00	1.156E 00	1.176E 00	1.161E 00	-4.258E-02	-4.389E-02	3.0	1.0
75.000	7.3352	0.07144	1.2E 00	1.184E 00	1.188E 00	1.172E 00	-4.314E-02	-4.369E-02	3.0	1.0
76.000	7.2943	0.07072	1.3E 00	1.701E 00	1.202E 00	1.185E 00	-5.336E-02	-6.706E-02	3.0	1.0
77.000	7.2471	0.06992	1.3E 00	1.655E 00	1.219E 00	1.199E 00	-5.904E-02	-6.672E-02	3.0	1.0
78.000	7.1969	0.06905	1.3E 00	1.708E 00	1.237E 00	1.215E 00	-6.217E-02	-6.634E-02	3.0	1.0
79.000	7.1454	0.06815	1.3E 00	1.768E 00	1.254E 00	1.231E 00	-6.381E-02	-6.592E-02	3.0	1.0
80.000	7.0936	0.06725	1.3E 00	1.817E 00	1.271E 00	1.247E 00	-6.460E-02	-6.550E-02	3.0	1.0
81.000	7.0373	0.06630	1.3E 00	2.391E 00	1.293E 00	1.266E 00	-7.681E-02	-9.355E-02	3.0	1.0
82.000	6.9745	0.06526	1.3E 00	2.407E 00	1.318E 00	1.288C 00	-8.355E-02	-9.288E-02	3.0	1.0
83.000	6.9088	0.06416	1.4E 00	2.505E 00	1.343E 00	1.310E 00	-8.716E-02	-9.213E-02	3.0	1.0
84.000	6.8386	0.06296	1.4E 00	3.140E 00	1.375E 00	1.337E 00	-9.888E-02	-1.151E-01	3.0	1.0
85.000	6.7631	0.06167	1.4E 00	3.194E 00	1.407E 00	1.366E 00	-1.052E-01	-1.140E-01	3.0	1.0
86.000	6.6814	0.06031	1.5E 00	3.836E 00	1.443E 00	1.398E 00	-1.204E-01	-1.417E-01	3.0	1.0
87.000	6.5935	0.05886	1.5E 00	3.988E 00	1.485E 00	1.433E 00	-1.286E-01	-1.400E-01	3.0	1.0
88.000	6.5036	0.05739	1.5E 00	4.185E 00	1.526E 00	1.471E 00	-1.326E-01	-1.383E-01	3.0	1.0
89.000	6.4099	0.05581	1.6E 00	5.150E 00	1.580E 00	1.516E 00	-1.472E-01	-1.682E-01	3.0	1.0
90.000	6.3118	0.05413	1.6E 00	5.400E 00	1.634E 00	1.564E 00	-1.547E-01	-1.655E-01	3.0	1.0
91.000	6.2099	0.05239	1.6E 00	6.241E 00	1.697E 00	1.618E 00	-1.694E-01	-1.910E-01	3.0	1.0
91.200	6.1890	0.01027	1.7E 00	6.659E 00	1.741E 00	1.629E 00	-1.711E-01	-1.868E-01	2.0	1.0
91.400	6.1679	0.01019	1.7E 00	6.784E 00	1.755E 00	1.642E 00	-1.726E-01	-1.854E-01	2.0	1.0
91.600	6.1469	0.01012	1.7E 00	6.901E 00	1.770E 00	1.654E 00	-1.738E-01	-1.851E-01	2.0	1.0
91.800	6.1259	0.01004	1.7E 00	7.012E 00	1.784E 00	1.666E 00	-1.748E-01	-1.842E-01	2.0	1.0
92.000	6.1050	0.00997	1.7E 00	7.116E 00	1.799E 00	1.679E 00	-1.756E-01	-1.834E-01	2.0	1.0
92.200	6.0841	0.00989	1.7E 00	7.214E 00	1.813E 00	1.691E 00	-1.763E-01	-1.825E-01	2.0	1.0
92.400	6.0633	0.00982	1.7E 00	7.307E 00	1.827E 00	1.704E 00	-1.768E-01	-1.816E-01	2.0	1.0
92.600	6.0426	0.00974	1.7E 00	7.396E 00	1.842E 00	1.717E 00	-1.772E-01	-1.808E-01	2.0	1.0
92.800	6.0220	0.00967	1.7E 00	7.679E 00	1.860E 00	1.730E 00	-1.778E-01	-1.831E-01	2.0	1.0
93.000	6.0015	0.00959	1.7E 00	7.928E 00	1.878E 00	1.744E 00	-1.782E-01	-1.820E-01	2.0	1.0
93.200	5.9812	0.00952	1.7E 00	8.154E 00	1.896E 00	1.759E 00	-1.784E-01	-1.808E-01	2.0	1.0
93.400	5.9609	0.00944	1.7E 00	7.892E 00	1.905E 00	1.772E 00	-1.786E-01	-1.798E-01	2.0	1.0
93.600	5.9409	0.00937	1.7E 00	7.979E 00	1.921E 00	1.786E 00	-1.786E-01	-1.788E-01	2.0	1.0
93.800	5.9210	0.00930	1.7E 00	8.121E 00	1.937E 00	1.800E 00	-1.781E-01	-1.730E-01	2.0	1.0
94.000	5.9013	0.00923	1.7E 00	8.249E 00	1.953E 00	1.814E 00	-1.776E-01	-1.719E-01	2.0	1.0
94.200	5.8818	0.00915	1.8E 00	8.367E 00	1.969E 00	1.828E 00	-1.770E-01	-1.708E-01	2.0	1.0

57

93.800	5.9210	0.00930	1.7E 00	8.121E 00	1.937E 00	1.800E 00	-1.781E-01	-1.730E-01	2.0	1.0
94.000	5.9013	0.00923	1.7E 00	8.249E 00	1.953E 00	1.814E 00	-1.776E-01	-1.719E-01	2.0	1.0
94.200	5.8818	0.00915	1.8E 00	8.367E 00	1.969E 00	1.828E 00	-1.770E-01	-1.708E-01	2.0	1.0
94.400	5.8626	0.00908	1.8E 00	8.531E 00	1.986E 00	1.842E 00	-1.759E-01	-1.656E-01	2.0	1.0
94.600	5.8436	0.00901	1.8E 00	8.701E 00	2.003E 00	1.857E 00	-1.746E-01	-1.609E-01	2.0	1.0
94.800	5.8250	0.00894	1.8E 00	8.882E 00	2.021E 00	1.872E 00	-1.728E-01	-1.548E-01	2.0	1.0
95.000	5.8067	0.00887	1.8E 00	9.072E 00	2.039E 00	1.887E 00	-1.706E-01	-1.483E-01	2.0	1.0
95.200	5.7888	0.00880	1.8E 00	9.216E 00	2.056E 00	1.902E 00	-1.685E-01	-1.470E-01	2.0	1.0
95.400	5.7713	0.00873	1.8E 00	9.474E 00	2.075E 00	1.917E 00	-1.657E-01	-1.364E-01	2.0	1.0
95.600	5.7542	0.00866	1.8E 00	9.614E 00	2.094E 00	1.933E 00	-1.629E-01	-1.351E-01	2.0	1.0
95.800	5.7376	0.00859	1.8E 00	9.964E 00	2.113E 00	1.949E 00	-1.589E-01	-1.175E-01	2.0	1.0
96.000	5.7216	0.00851	1.9E 00	1.010E 01	2.132E 00	1.966E 00	-1.551E-01	-1.161E-01	2.0	1.0
96.200	5.7061	0.00844	1.9E 00	1.023E 01	2.151E 00	1.982E 00	-1.515E-01	-1.141E-01	2.0	1.0
96.400	5.6912	0.00837	1.9E 00	1.092E 01	2.173E 00	1.999E 00	-1.453E-01	-8.231E-02	3.0	1.0
96.600	5.6770	0.00830	1.9E 00	1.101E 01	2.193E 00	2.017E 00	-1.395E-01	-8.082E-02	3.0	1.0
96.800	5.6635	0.00823	1.9E 00	1.111E 01	2.214E 00	2.034E 00	-1.342E-01	-7.939E-02	3.0	1.0
97.000	5.6506	0.00816	1.9E 00	1.120E 01	2.234E 00	2.052E 00	-1.292E-01	-7.804E-02	3.0	1.0
97.200	5.6383	0.00809	1.9E 00	1.130E 01	2.255E 00	2.070E 00	-1.246E-01	-7.675E-02	3.0	1.0
97.400	5.6268	0.00802	2.0E 00	1.267E 01	2.277E 00	2.089E 00	-1.146E-01	-1.426E-02	3.0	1.0
97.600	5.6163	0.00794	2.0E 00	1.263E 01	2.299E 00	2.107E 00	-1.055E-01	-1.285E-02	3.0	1.0
97.800	5.6067	0.00787	2.0E 00	1.261E 01	2.321E 00	2.126E 00	-9.720E-02	-1.156E-02	3.0	1.0
98.000	5.5980	0.00780	2.0E 00	1.261E 01	2.343E 00	2.146E 00	-8.958E-02	-1.038E-02	3.0	1.0
98.200	5.5900	0.00773	2.0E 00	1.264E 01	2.365E 00	2.165E 00	-8.259E-02	-9.311E-03	3.0	1.0
98.400	5.5830	0.00766	2.1E 00	1.479E 01	2.389E 00	2.185E 00	-6.822E-02	7.570E-02	3.0	1.0
98.600	5.5774	0.00759	2.1E 00	1.452E 01	2.412E 00	2.205E 00	-5.526E-02	7.672E-02	3.0	1.0
98.800	5.5730	0.00752	2.1E 00	1.431E 01	2.435E 00	2.226E 00	-4.354E-02	7.755E-02	3.0	1.0
99.000	5.5695	0.00745	2.1E 00	1.416E 01	2.458E 00	2.246E 00	-3.293E-02	7.821E-02	3.0	1.0
99.200	5.5670	0.00739	2.1E 00	1.406E 01	2.481E 00	2.266E 00	-2.331E-02	7.871E-02	3.0	1.0
99.400	5.5657	0.00732	2.2E 00	1.625E 01	2.504E 00	2.287E 00	-6.801E-03	1.610E-01	3.0	1.0
99.600	.5658	0.00725	2.1E 00	1.578E 01	2.527E 00	2.309E 00	7.928E-03	1.613E-01	3.0	1.0
99.800	.5673	0.00719	2.2E 00	1.741E 01	2.551E 00	2.330E 00	2.718E-02	2.225E-01	2.0	1.0
100.000	5.5703	0.00712	2.2E 00	1.686E 01	2.574E 00	2.352E 00	4.440E-02	2.222E-01	3.0	1.0
100.200	5.5747	0.00705	2.2E 00	1.637E 01	2.597E 00	2.373E 00	5.976E-02	2.217E-01	3.0	1.0
100.400	5.5806	0.00699	2.2E 00	1.819E 01	2.620E 00	2.395E 00	8.014E-02	2.888E-01	3.0	1.0
100.600	5.5880	0.00693	2.2E 00	1.749E 01	2.644E 00	2.417E 00	9.821E-02	2.877E-01	3.0	1.0
100.800	5.5971	0.00686	2.3E 00	1.954E 01	2.666E 00	2.439E 00	1.217E-01	3.607E-01	3.0	1.0
101.000	5.6079	0.00680	2.3E 00	1.861E 01	2.689E 00	2.461E 00	1.424E-01	3.588E-01	3.0	1.0
101.200	5.6201	0.00674	2.2E 00	1.783E 01	2.712E 00	2.482E 00	1.607E-01	3.565E-01	3.0	1.0
101.400	5.6340	0.00668	2.3E 00	2.007E 01	2.734E 00	2.505E 00	1.849E-01	4.346E-01	3.0	1.0
101.600	5.6495	0.00663	2.3E 00	1.903E 01	2.756E 00	2.526E 00	2.060E-01	4.315E-01	3.0	1.0
101.800	5.6668	0.00657	2.3E 00	2.044E 01	2.777E 00	2.548E 00	2.307E-01	4.888E-01	3.0	1.0
102.000	5.6857	0.00651	2.3E 00	2.035E 01	2.799E 00	2.570E 00	2.550E-01	5.115E-01	3.0	1.0
102.200	5.7065	0.00646	2.3E 00	2.064E 01	2.820E 00	2.591E 00	2.798E-01	5.432E-01	3.0	1.0
102.400	5.7289	0.00641	2.4E 00	2.091E 01	2.841E 00	2.613E 00	3.052E-01	5.731E-01	3.0	1.0
102.600	5.7532	0.00635	2.3E 00	2.077E 01	2.862E 00	2.634E 00	3.300E-01	5.976E-01	3.0	1.0
102.800	5.7792	0.00630	2.4E 00	2.268E 01	2.882E 00	2.656E 00	3.595E-01	6.686E-01	3.0	1.0
103.000	5.8071	0.00625	2.4E 00	2.110E 01	2.902E 00	2.676E 00	3.849E-01	6.614E-01	3.0	1.0
103.200	5.8368	0.00620	2.4E 00	2.134E 01	2.923E 00	2.697E 00	4.108E-01	6.930E-01	3.0	1.0
103.400	5.8682	0.00615	2.4E 00	2.296E 01	2.953E 00	2.719E 00	4.397E-01	7.494E-01	3.0	1.0
103.600	5.9013	0.00611	2.4E 00	2.159E 01	2.980E 00	2.741E 00	4.647E-01	7.409E-01	3.0	1.0
103.800	5.9361	0.00606	2.5E 00	2.349E 01	3.008E 00	2.763E 00	4.937E-01	8.066E-01	3.0	1.0
104.000	5.9726	0.00601	2.4E 00	2.249E 01	3.037E 00	2.786E 00	5.197E-01	8.066E-01	3.0	1.0
104.200	6.0106	0.00596	2.4E 00	2.1[illegible]E 01	3.065E 00	2.809E 00	5.429E-01	8.066E-01	3.0	1.0
104.400	6.0504	0.00586	3.1E 00	4.128E 01	3.454E 00	2.875E 00	5.861E-01	9.640E-01	3.0	1.0
104.600	6.0920	0.00574	3.0E 00	3.779E 01	3.473E 00	2.933E 00	6.219E-01	9.559E-01	3.0	1.0
104.800	6.1350	0.00563	2.9E 00	3.486E 01	3.492E 00	2.984E 00	6.519E-01	9.474E-01	3.0	1.0
105.000	6.1792	0.00554	2.8E 00	3.238E 01	3.511E 00	3.031E 00	6.772E-01	9.386E-01	3.0	1.0
105.200	6.2243	0.00546	2.7E 00	3.027E 01	3.530E 00	3.073E 00	6.985E-01	9.296E-01	3.0	1.0
105.400	6.2707	0.00539	2.9E 00	3.497E 01	3.544E 00	3.115E 00	7.378E-01	1.143E 00	3.0	1.0
105.600	6.3189	0.00532	2.8E 00	3.221E 01	3.560E 00	3.152E 00	7.712E-01	1.133E 00	3.0	1.0
105.800	6.3684	0.00526	2.7E 00	2.981E 01	3.575E 00	3.186E 00	7.997E-01	1.123E 00	3.0	1.0
106.000	6.4191	0.00520	2.6E 00	2.767E 01	3.591E 00	3.218E 00	8.240E-01	1.112E 00	2.0	1.0
106.200	6.4708	0.00516	2.6E 00	2.589E 01	3.607E 00	3.247E 00	8.448E-01	1.101E 00	2.0	1.0
106.400	6.5239	0.00511	2.9E 00	3.480E 01	3.621E 00	3.279E 00	8.886E-01	1.368E 00	3.0	1.0
106.600	6.5790	0.00506	2.8E 00	3.194E 01	3.636E 00	3.307E 00	9.262E-01	1.357E 00	3.0	1.0
106.800	6.6358	0.00502	2.7E 00	2.943E 01	3.651E 00	3.334E 00	9.585E-01	1.345E 00	3.0	1.0
107.000	6.6939	0.00498	2.6E 00	2.717E 01	3.666E 00	3.358E 00	9.863E-01	1.333E 00	2.0	1.0
107.200	6.7531	0.00495	2.5E 00	2.525E 01	3.680E 00	3.381E 00	1.010E 00	1.321E 00	2.0	1.0
107.400	6.8133	0.00491	2.5E 00	2.357E 01	3.695E 00	3.403E 00	[illegible]	[illegible]	[illegible]	[illegible]

106.800	6.6358	0.00502	2.7E 00	2.943E 01	3.651E 00	3.334E 00	9.262E-01	1.357E 00	3.0	1.0
107.000	6.6939	0.00498	2.6E 00	2.717E 01	3.666E 00	3.358E 00	9.585E-01	1.345E 00	3.0	1.0
107.200	6.7531	0.00495	2.5E 00	2.525E 01	3.680E 00	3.381E 00	9.863E-01	1.335E 00	2.0	1.0
107.400	6.8133	0.00491	2.5E 00	2.357E 01	3.695E 00	3.403E 00	1.031E 00	1.309E 00	2.0	1.0
107.600	6.8742	0.00488	2.4E 00	2.209E 01	3.710E 00	3.424E 00	1.049E 00	1.296E 00	2.0	1.0
107.800	6.9358	0.00485	2.4E 00	2.081E 01	3.725E 00	3.444E 00	1.064E 00	1.283E 00	2.0	1.0
108.000	6.9978	0.00483	2.3E 00	1.969E 01	3.740E 00	3.463E 00	1.077E 00	1.270E 00	2.0	1.0
108.200	7.0602	0.00480	2.3E 00	1.874E 01	3.754E 00	3.481E 00	1.089E 00	1.257E 00	2.0	1.0
108.400	7.1232	0.00477	2.5E 00	2.367E 01	3.775E 00	3.501E 00	1.110E 00	1.409E 00	2.0	1.0
108.600	7.1870	0.00475	2.4E 00	2.279E 01	3.793E 00	3.520E 00	1.130E 00	1.409E 00	2.0	1.0
108.800	7.2516	0.00472	2.4E 00	2.201E 01	3.812E 00	3.539E 00	1.148E 00	1.409E 00	2.0	1.0
109.000	7.3167	0.00470	2.4E 00	2.133E 01	3.830E 00	3.558E 00	1.165E 00	1.409E 00	2.0	1.0
109.200	7.3825	0.00467	2.3E 00	2.074E 01	3.849E 00	3.576E 00	1.180E 00	1.409E 00	2.0	1.0
109.400	7.4487	0.00465	2.3E 00	2.023E 01	3.867E 00	3.594E 00	1.194E 00	1.409E 00	2.0	1.0
109.600	7.5154	0.00463	2.3E 00	1.978E 01	3.886E 00	3.612E 00	1.208E 00	1.409E 00	2.0	1.0
109.800	7.5824	0.00460	2.3E 00	1.940E 01	3.904E 00	3.630E 00	1.220E 00	1.409E 00	2.0	1.0
110.000	7.6498	0.00458	2.3E 00	1.907E 01	3.923E 00	3.648E 00	1.231E 00	1.409E 00	2.0	1.0
110.200	7.7174	0.00456	2.3E 00	1.879E 01	3.941E 00	3.665E 00	1.242E 00	1.409E 00	2.0	1.0
111.200	8.0794	0.02291	2.6E 00	2.590E 01	3.474E 00	3.608E 00	1.391E 00	1.745E 00	3.0	1.0
112.200	8.4947	0.02386	2.9E 00	3.554E 01	2.934E 00	3.378E 00	1.510E 00	1.740E 00	3.0	1.0
113.200	8.9897	0.02655	3.4E 00	5.098E 01	2.251E 00	2.900E 00	1.598E 00	1.716E 00	4.0	1.0
114.200	9.6231	0.03257	3.6E 00	5.609E 01	1.569E 00	2.217E 00	1.644E 00	1.687E 00	4.0	1.0
114.869	10.0000	0.01925	5.3E 00	1.256E 02	5.121E 00	3.578E 00	1.621E 00	1.595E 00	7.0	-1.0
116.108	10.5000	0.02620	3.9E 00	6.751E 01	5.130E 00	4.300E 00	1.559E 00	1.489E 00	4.0	-1.0
116.977	10.8000	0.01630	3.4E 00	5.075E 01	5.331E 00	4.542E 00	1.508E 00	1.379E 00	3.0	-1.0
117.616	11.0000	0.01137	3.4E 00	5.045E 01	5.499E 00	4.778E 00	1.424E 00	1.099E 00	3.0	-1.0

VOYWM = 4.3611E 00 VDXWM = 4.9461E 00

119.616	11.2753	0.01686	3.6E 00	5.612E 01	5.707E 00	5.110E 00	1.298E 00	1.071E 00	27.0	1.0
119.616	11.5197	0.01610	2.8E 00	3.143E 01	5.673E 00	5.241E 00	1.232E 00	1.016E 00	3.0	1.0
120.616	11.7463	0.01571	2.7E 00	3.093E 01	5.800E 00	5.368E 00	1.172E 00	9.674E-01	3.0	1.0
121.616	11.9347	0.01539	3.5E 00	5.530E 01	5.696E 00	5.459E 00	8.683E-01	8.224E-02	3.0	1.0
122.616	12.0763	0.01521	3.0E 00	3.915E 01	5.616E 00	5.497E 00	6.821E-01	9.574E-02	3.0	1.0
123.616	12.1890	0.01515	2.7E 00	2.911E 01	5.536E 00	5.505E 00	5.561E-01	1.059E-01	3.0	1.0
124.616	12.2825	0.01515	2.4E 00	2.275E 01	5.456E 00	5.496E 00	4.704E-01	1.139E-01	3.0	1.0
125.616	12.3607	0.01518	2.4E 00	2.177E 01	5.425E 00	5.482E 00	3.883E-01	4.928E-02	3.0	1.0
126.616	12.4260	0.01523	2.2E 00	1.791E 01	5.389E 00	5.465E 00	3.266E-01	5.184E-02	3.0	1.0
127.616	12.4815	0.01528	2.1E 00	1.520E 01	5.352E 00	5.445E 00	2.789E-01	5.398E-02	3.0	1.0
128.616	12.5293	0.01533	2.0E 00	1.332E 01	5.316E 00	5.423E 00	2.413E-01	5.580E-02	3.0	1.0
129.616	12.5711	0.01540	2.0E 00	1.208E 01	5.280E 00	5.400E 00	2.110E-01	5.737E-02	3.0	1.0
130.616	12.6080	0.01547	1.9E 00	1.131E 01	5.244E 00	5.375E 00	1.863E-01	5.874E-02	3.0	1.0
131.616	12.6409	0.01554	1.9E 00	1.086E 01	5.208E 00	5.348E 00	1.660E-01	5.995E-02	3.0	1.0
132.616	12.6704	0.01562	1.9E 00	1.064E 01	5.172E 00	5.319E 00	1.491E-01	6.102E-02	3.0	1.0
133.616	12.6967	0.01570	1.9E 00	1.048E 01	5.156E 00	5.293E 00	1.300E-01	3.072E-02	3.0	1.0
134.616	12.7198	0.01578	1.8E 00	9.566E 00	5.138E 00	5.269E 00	1.144E-01	3.115E-02	3.0	1.0
135.616	12.7404	0.01585	1.8E 00	8.859E 00	5.120E 00	5.246E 00	1.015E-01	3.153E-02	3.0	1.0
136.616	12.7587	0.01592	1.8E 00	8.312E 00	5.102E 00	5.224E 00	9.078E-02	3.186E-02	3.0	1.0
137.616	12.7753	0.01599	1.7E 00	7.888E 00	5.084E 00	5.203E 00	8.185E-02	3.216E-02	3.0	1.0
138.616	12.7903	0.01605	1.7E 00	7.559E 00	5.067E 00	5.182E 00	7.436E-02	3.243E-02	3.0	1.0
139.616	12.8041	0.01611	1.7E 00	7.303E 00	5.049E 00	5.162E 00	6.808E-02	3.267E-02	3.0	1.0
140.616	12.8168	0.01617	1.7E 00	7.104E 00	5.031E 00	5.142E 00	6.278E-02	3.290E-02	3.0	1.0

TABLE 1
X=DISTANCE TO RIGHT OF HIGHLIGHT
Y=LOWER COWL SURFACE DISTANCE FROM HIGHLIGHT

X	Y
0.	0.
0.05100	0.10171
0.10000	0.17172
0.17600	0.26269
0.20000	0.29047
0.30000	0.39818
0.50000	0.60122
0.70000	0.80152
0.90000	1.00177
1.10000	1.20233
1.35000	1.45358
1.60000	1.70616
1.68200	1.78934
2.10000	2.21420
2.20400	2.32093
2.62000	2.74614
3.10000	3.23903
4.10000	4.25655
4.18000	4.33744
5.10000	5.26896
5.45400	5.62705
6.10000	6.28074
6.95000	7.13661
8.10000	8.29510
8.60000	8.79868
10.10000	10.30520
10.80000	11.00777
12.10000	12.31161
14.10000	14.31616
14.25000	14.46691
15.10000	15.31838
16.10000	16.32049
17.10000	17.32174
18.10000	18.32299
19.00000	19.22367
19.10000	19.32417
20.10000	20.32497
22.10000	22.32586
26.10000	26.32766
30.10000	30.32978
34.10000	34.33103
38.10000	38.33123

TABLE 2
X=DISTANCE TO RIGHT OF HIGHLIGHT
Y=UPPER COWL SURFACE DISTANCE FROM HIGHLIGHT/

X	Y
0.	0.
0.07600	0.13535
0.10000	0.16420
0.20000	0.27691
0.30000	0.38388
0.50000	0.59131

0.10000	0.16420
0.20000	0.27691
0.30000	0.38388
0.50000	0.59131
0.64700	0.74339
0.70000	0.79774
0.90000	1.00439
1.10000	1.21007
1.35000	1.46583
1.50000	1.61964
1.60000	1.72203
2.10000	2.23398
2.39600	2.53769
3.10000	3.25792
3.34000	3.50267
4.10000	4.27812
4.33400	4.51659
5.10000	5.29657
5.67000	5.87580
6.10000	6.31229
7.11600	7.34326
8.10000	8.34018
10.10000	10.35900
10.65000	10.91282
12.10000	12.37218
14.10000	14.38167
15.10000	15.38665
15.60000	15.88825
16.10000	16.39074
17.10000	17.39394
18.10000	18.39798
19.10000	19.40118
20.10000	20.40437
21.70000	22.00886
22.10000	22.40999
26.10000	26.41909
29.65000	29.97472
30.10000	30.42572
34.10000	34.43071
38.10000	38.43391

TABLE 4
X=Y VALUE OF POTENTIAL FLOW FIELD
Y=FIRST BOUNDARY VALUE OF X AFTER LEFT HAND BOUNDARY

X	Y
-0.	94.50000
8.00000	111.65600
8.16043	112.00000
9.00000	113.81500
9.08200	114.00000
9.50000	114.96000
9.75000	115.57500
9.91500	116.00000
10.00000	116.22500
10.25000	116.92500
10.27200	117.00000
10.50000	117.85000
10.54400	118.00000
10.71600	119.00000
10.80000	120.00000
10.80010	180.00000
14.59990	180.00000
14.60000	102.60000
14.61100	102.40000
14.64600	102.20000
14.68600	102.10000

14.68600	102.10000
14.70000	102.07600
14.75000	102.00000
14.80000	101.95100
14.88800	101.90000
15.00000	101.97600
15.01600	102.00000
15.06800	102.10000
15.10600	102.20000
15.16100	102.40000
15.20000	102.54700
15.21200	102.60000
15.26400	102.80000
15.31200	103.00000
15.36600	103.25000
15.40000	103.40000
15.42200	103.50000
15.53200	104.00000
15.60000	104.29600
15.75200	105.00000
15.80000	105.24000
15.95400	106.00000
16.00000	106.23400
16.14700	107.00000
16.25000	107.57000
16.32500	108.00000
16.50000	109.01600
16.66000	110.00000
16.93500	112.00000
17.00000	112.55000
17.16500	114.00000
17.36000	116.00000
17.46000	117.00000
17.50000	117.50000
17.55000	118.00000
17.63000	119.00000
17.72000	120.00000
17.80000	121.00000
17.88000	122.00000
18.00000	123.60000
18.03000	124.00000
18.30000	128.00000
18.50000	131.55000
18.53000	132.00000
18.73000	136.00000
18.89000	140.00000
19.00000	144.00000
19.00010	180.00000
100.00000	180.00000

TABLE 5
X=Y VALUE OF POTENTIAL FLOW FIELD
Y=SECOND BOUNDARY VALUE OF X AFTER LEFT HAND BOUNDARY

X	Y
-0.	180.00000
14.59990	180.00000
14.60000	102.60000
14.61000	102.80000
14.62500	103.00000
14.65000	103.25000
14.68600	103.50000
14.70000	103.58200
14.77600	104.00000

14.70000	103.58200
14.77600	104.00000
14.80000	104.10400
14.88800	104.52000
15.00000	105.00000
15.18800	106.00000
15.20000	106.08000
15.34600	107.00000
15.40000	107.35400
15.50000	108.00000
15.60000	108.85000
15.74000	110.00000
15.80000	110.50000
15.94000	112.00000
16.00000	112.70000
16.10000	114.00000
16.23500	116.00000
16.25000	116.15000
16.30000	117.00000
16.36500	118.00000
16.41500	119.00000
16.46500	120.00000
16.50000	120.90000
16.51000	121.00000
16.55000	122.00000
16.61000	124.00000
16.73000	128.00000
16.86000	132.00000
16.96000	136.00000
17.00000	140.00000
17.00010	180.00000
100.00000	180.00000

TABLE 6
X=X VALUE OF POTENTIAL FLOW FIELD
Y=FIRST BOUNDARY VALUE OF Y ABOVE LOWER BOUNDARY/

X	Y
-0.	100.00000
101.89990	100.00000
101.90000	14.88800
101.95100	14.80000
102.00000	14.75000
102.07600	14.70000
102.10000	14.68600
102.20000	14.64600
102.40000	14.61100
102.60000	14.60000
102.80000	14.61000
103.00000	14.62500
103.25000	14.65000
103.50000	14.68600
103.58200	14.70000
104.00000	14.77600
104.10400	14.80000
104.52000	14.88800
105.00000	15.00000
106.00000	15.18800
106.08000	15.20000
107.00000	15.34600
107.35400	15.40000
108.00000	15.50000
108.85000	15.60000
110.00000	15.74000
110.50000	15.80000
112.00000	15.94000

112.00000	15.94000
112.70000	16.00000
114.00000	16.10000
116.00000	16.23500
116.15000	16.25000
117.00000	16.30000
118.00000	16.36500
119.00000	16.41500
120.00000	16.46500
120.90000	16.50000
121.00000	16.51000
122.00000	16.55000
124.00000	16.61000
128.00000	16.73000
132.00000	16.86000
136.00000	16.96000
140.00000	17.00000
180.00000	17.00000

TABLE 7
X=X VALUE OF POTENTIAL FLOW FIELD
Y=SECOND BOUNDARY VALUE OF Y ABOVE LOWER BOUNDARY

X	Y
-0.	100.00000
101.89990	100.00000
101.90000	14.88800
101.97600	15.00000
102.00000	15.01600
102.10000	15.06800
102.20000	15.10600
102.40000	15.16100
102.54700	15.20000
102.60000	15.21200
102.80000	15.2640
103.00000	15.31200
103.25000	15.36600
103.40000	15.40000
103.50000	15.42200
104.00000	15.53200
104.29600	15.60000
105.00000	15.75200
105.24000	15.80000
106.00000	15.95400
106.23400	16.00000
107.00000	16.14700
107.57000	16.25000
108.00000	16.32500
109.01600	16.50000
110.00000	16.66000
112.00000	16.93500
112.55000	17.00000
114.00000	17.16500
116.00000	17.36000
117.00000	17.46000
117.50000	17.50000
118.00000	17.55000
119.00000	17.63000
120.00000	17.72000
121.00000	17.80000
122.00000	17.88000
123.60000	18.00000
124.00000	18.03000
128.00000	18.30000

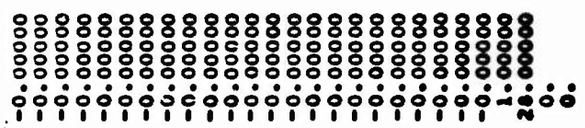
124.00000	18.03000
128.00000	18.30000
131.55000	18.50000
132.00000	18.53000
136.00000	18.73000
140.00000	18.89000
144.00000	19.00000
180.00000	19.00000

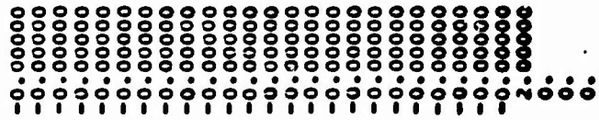
TABLE 8
X=X VALUE OF POTENTIAL FLOW FIELD
CENTERLINE OR LOWEST BOUNDARY VALUE OF Y

X	Y
-0.	-0.
94.50000	-0.
110.00000	7.22781
111.65597	8.00000
112.00000	8.16043
113.81500	9.00000
114.00000	9.08200
114.96000	9.50000
115.57500	9.75000
116.00000	9.91500
116.22500	10.00000
116.92500	10.25000
117.00000	10.27200
117.85000	10.50000
118.00000	10.54400
119.00000	10.71600
120.00000	10.80000
180.00000	10.80000

TABLE 9
X=DISTANCE TO RIGHT OF HIGHLIGHT (XHL)
Y=CENTERBODY SURFACE DISTANCE FROM CENTERBODY HIGHLIGHT (XHL1)

X	Y
-7.40000	0.
8.10000	17.10238
9.75597	18.92953
10.10000	19.30913
11.91500	21.30891
12.10000	21.51127
13.06000	22.55832
13.67500	23.22219
14.10000	23.67810
14.32500	23.91862
15.02500	24.66192
15.10000	24.74008
15.95000	25.62013
16.10000	25.77645
17.10000	26.79113
18.10000	27.79465
78.10000	87.79465
18.10000	27.79468
78.10000	87.79468
-0.00000	-0.00000
-0.00000	-0.00000
-0.00000	-0.00000
-0.00000	-0.00000
-0.00000	-0.00000





SUPERSONIC INLET-- WATER IMPINGEMENT AT TAKE-OFF 12/13/65

ALWC	R	UINF	UPINF	PA	MA
1.8064000E-08	3.2804999E-05	1.3510000E 02	2.3108200E-03	7.6447999E-02	1.2000000E-05

XMAX	YMAX	YOROP	DELYDP	XL	XMLI
1.4000000E 02	9.9998999E 01	2.7500000E 01	5.0000000E-01	-0.	9.4499999E 01

YSL	YSM	VXWIN	VYWIN	DIRECT	RANDOM
-0.	1.9500000E 01	1.3510000E 02	-0.	1.0000000E-00	-1.0000000E-00

XML	YML	ALAMDA	KESIL	RHOW	LANGMR
1.0190000E 02	1.4888000E 01	1.0000000E-00	-0.	6.2399999E 01	-0.

GRAVTY	DELX1	DELX2	XREF1	XREF2
1.0000000E-00	9.9999999E 01	2.0000000E 01	8.9999999E 01	1.1000000E 02

YTRAP1	YTRAP2	XTRAP1	XTRAP2	TABLE
-0.	-0.	-0.	-0.	0.

REINF	AK
5.6488963E 01	1.6800656E-01

-0. 27.50000 1.00000 -0.

XNN1	YNN1	OTW	CK	REN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	27.4991	0.08339	1.1E 00	2.366E-01	9.963E-01	9.985E-01	-1.851E-03	-4.474E-03	2.0	1.0
2.000	27.4964	0.08350	1.1E 00	1.871E-01	9.965E-01	9.975E-01	-3.391E-03	-4.474E-03	1.0	1.0
3.000	27.4927	0.08356	1.0E 00	7.241E-02	9.968E-01	9.971E-01	-4.097E-03	-4.473E-03	1.0	1.0
4.000	27.4884	0.08358	1.0E 00	2.162E-02	9.970E-01	9.971E-01	-4.434E-03	-4.473E-03	1.0	1.0
5.000	27.4839	0.08357	1.0E 00	1.304E-02	9.973E-01	9.972E-01	-4.6[illegible]E-03	-4.472E-03	1.0	1.0
6.000	27.4792	0.08356	1.0E 00	2.202E-02	9.976E-01	9.974E-01	-4.788E-03	-4.680E-03	1.0	1.0
7.000	27.4744	0.08354	1.0E 00	2.690E-02	9.978E-01	9.976E-01	-4.827E-03	-4.680E-03	1.0	1.0
8.000	27.4695	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.827E-03	-4.679E-03	1.0	1.0
9.000	27.4647	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.827E-03	-4.679E-03	1.0	1.0
10.000	27.4598	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.827E-03	-4.678E-03	1.0	1.0
11.000	27.4549	0.08345	1.0E 00	3.492E-02	9.990E-01	9.987E-01	-5.118E-03	-5.111E-03	1.0	1.0
12.000	27.4497	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.258E-03	-5.111E-03	1.0	1.0
13.000	27.4444	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.258E-03	-5.110E-03	1.0	1.0
14.000	27.4392	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.258E-03	-5.109E-03	1.0	1.0
15.000	27.4339	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.258E-03	-5.109E-03	1.0	1.0
16.000	27.4284	0.08333	1.0E 00	4.557E-02	1.000E 00	1.000E 00	-5.677E-03	-5.793E-03	1.0	1.0
17.000	27.4226	0.08331	1.0E 00	3.612E-02	1.001E 00	1.000E 00	-5.882E-03	-5.792E-03	1.0	1.0
18.000	27.4167	0.08328	1.0E 00	3.667E-02	1.001E 00	1.001E 00	-5.938E-03	-5.791E-03	1.0	1.0
19.000	27.4108	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-5.938E-03	-5.791E-03	1.0	1.0
20.000	27.4049	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.938E-03	-5.790E-03	1.0	1.0
21.000	27.3987	0.08320	1.0E 00	6.065E-02	1.002E 00	1.002E 00	-6.510E-03	-6.770E-03	1.0	1.0
22.000	27.3920	0.08317	1.0E 00	4.289E-02	1.003E 00	1.002E 00	-6.788E-03	-6.769E-03	1.0	1.0
23.000	27.3852	0.08314	1.0E 00	4.144E-02	1.003E 00	1.003E 00	-6.914E-03	-6.768E-03	1.0	1.0
24.000	27.3783	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.914E-03	-6.767E-03	1.0	1.0
25.000	27.3714	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.914E-03	-6.766E-03	1.0	1.0
26.000	27.3641	0.08304	1.0E 00	8.069E-02	1.004E 00	1.004E 00	-7.675E-03	-8.109E-03	1.0	1.0
27.000	27.3563	0.08301	1.0E 00	5.279E-02	1.005E 00	1.004E 00	-8.041E-03	-8.108E-03	1.0	1.0
28.000	27.3482	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.221E-03	-8.107E-03	1.0	1.0
29.000	27.3400	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.251E-03	-8.105E-03	1.0	1.0
30.000	27.3318	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.251E-03	-8.104E-03	1.0	1.0
31.000	27.3231	0.08286	1.0E 00	1.070E-01	1.006E 00	1.006E 00	-9.253E-03	-9.907E-03	1.0	1.0
32.000	27.3137	0.08282	1.0E 00	6.633E-02	1.007E 00	1.006E 00	-9.732E-03	-9.905E-03	1.0	1.0
33.000	27.3039	0.08278	1.0E 00	5.787E-02	1.007E 00	1.007E 00	-9.965E-03	-9.904E-03	1.0	1.0
34.000	27.2940	0.08274	1.0E 00	5.818E-02	1.00 00	1.007E 00	-1.005E-02	-9.902E-03	1.0	1.0
35.000	27.2840	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.005E-02	-9.900E-03	1.0	1.0

36.000	27.2735	0.08265	1.0E 00	1.095E-01	1.009E 00	1.008E 00	-1.109E-02	-1.230E-02	3.0
37.000	27.2622	0.08261	1.0E 00	7.719E-02	1.010E 00	1.009E 00	-1.170E-02	-1.230E-02	3.0
38.000	27.2505	0.08257	1.0E 00	6.251E-02	1.010E 00	1.010E 00	-1.203E-02	-1.230E-02	3.0
39.000	27.2384	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.224E-02	-1.229E-02	2.0
40.000	27.2262	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.241E-02	-1.229E-02	1.0
41.000	27.2133	0.08241	1.1E 00	1.497E-01	1.012E 00	1.011E 00	-1.379E-02	-1.548E-02	3.0
42.000	27.1993	0.08236	1.0E 00	1.033E-01	1.013E 00	1.012E 00	-1.460E-02	-1.548E-02	3.0
43.000	27.1846	0.08231	1.0E 00	7.997E-02	1.014E 00	1.013E 00	-1.504E-02	-1.547E-02	2.0
44.000	27.1696	0.08225	1.0E 00	7.896E-02	1.015E 00	1.014E 00	-1.531F-02	-1.547E-02	2.0
45.000	27.1545	0.08219	1.0E 00	8.067E-02	1.015E 00	1.015E 00	-1.54ME-02	-1.547E-02	2.0
46.000	27.1383	0.08213	1.0E 00	2.078E-01	1.016E 00	1.015E 00	-1.736E-02	-1.972E-02	3.0
47.000	27.1207	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.844E-02	-1.972E-02	3.0
48.000	27.1022	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.907E-02	-1.971E-02	3.0
49.000	27.0833	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.942E-02	-1.971E-02	2.0
50.000	27.0641	0.08185	1.0E 00	9.726F-02	1.020E 00	1.019E 00	-1.964F-02	-1.971E-02	2.0
51.000	27.0436	0.08177	1.1E 00	2.774F-01	1.021E 00	1.020E 00	-2.217C-02	-2.541E-02	3.0
52.000	27.0211	0.08169	1.1E 00	1.823E-01	1.022E 00	1.021E 00	-2.362F-02	-2.541E-02	3.0
53.000	26.9976	0.08161	1.1E 00	1.405F-01	1.023E 00	1.022E 00	-2.446E-02	-2.541E-02	3.0
54.000	26.9734	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.493E-02	-2.540E-02	2.0
55.000	26.9489	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.521E-02	-2.540E-02	2.0
56.000	26.9226	0.08135	1.1E 00	3.732E-01	1.027E 00	1.025E 00	-2.867E-02	-3.313E-02	3.0
57.000	26.8937	0.08125	1.1E 00	2.385E-01	1.028E 00	1.026E 00	-3.063E-02	-3.312E-02	3.0
58.000	26.8634	0.08115	1.1E 00	1.765E-01	1.029E 00	1.028E 00	-3.176E-02	-3.312E-02	3.0
59.000	26.8322	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.243E-02	-3.312E-02	3.0
60.000	26.8005	0.08095	1.1E 00	1.361F-01	1.032E 00	1.030E 00	-3.279E-02	-3.311E-02	2.0
61.000	26.7663	0.08085	1.1E 00	5.044F-01	1.033E 00	1.031E 00	-3.756F-02	-4.370E-02	3.0
62.000	26.7287	0.08073	1.1E 00	3.129E-01	1.035E 00	1.033E 00	-4.023F-02	-4.370E-02	3.0
63.000	26.6890	0.08062	1.1E 00	2.211E-01	1.036E 00	1.034E 00	-4.177F-02	-4.370E-02	3.0
64.000	26.6482	0.08051	1.1E 00	1.835E-01	1.038E 00	1.036E 00	-4.267E-02	-4.370E-02	3.0
65.000	26.6068	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.317F-02	-4.371E-02	2.0
66.000	26.5620	0.08028	1.2E 00	6.917E-01	1.041E 00	1.039F 00	-4.98AF-02	-5.838E-02	3.0
67.000	26.5123	0.08015	1.1E 00	4.157E-01	1.043E 00	1.041E 00	-5.355F-02	-5.840E-02	3.0
68.000	26.4598	0.08002	1.1E 00	2.781E-01	1.044E 00	1.042E 00	-5.567F-02	-5.842E-02	3.0
69.000	26.4059	0.07990	1.1E 00	2.168F-01	1.046E 00	1.044E 00	-5.691E-02	-5.844E-02	3.0
70.000	26.3510	0.07977	1.1E 00	1.940E-01	1.048E 00	1.045E 00	-5.765E-02	-5.846E-02	3.0
71.000	26.2914	0.07964	1.2E 00	9.575E-01	1.050E 00	1.047E 00	-6.72UE-02	-7.908E-02	3.0
72.000	26.2248	0.07951	1.1E 00	5.571E-01	1.051E 00	1.049E 00	-7.23EF-02	-7.916E-02	3.0
73.000	26.1544	0.07939	1.1E 00	3.510E-01	1.053E 00	1.051E 00	-7.532E-02	-7.923E-02	3.0
74.000	26.0820	0.07927	1.1E 00	2.503E-01	1.054E 00	1.052E 00	-7.706F-02	-7.932E-02	3.0
75.000	26.0083	0.07915	1.1E 00	2.068E-01	1.056E 00	1.054F 00	-7.811E-02	-7.940E-02	3.0
76.000	25.9276	0.07902	1.2E 00	1.351E 00	1.057E 00	1.055E 00	-9.20AF-02	-1.08AE-01	3.0
77.000	25.8369	0.07891	1.2E 00	7.633E-01	1.059E 00	1.057E 00	-9.94HF-02	-1.091E-01	3.0
78.000	25.7408	0.07881	1.1E 00	4.562E-01	1.060E 00	1.059E 00	-1.037F-01	-1.093E-01	3.0
79.000	25.6417	0.07872	1.1E 00	2.925E-01	1.061E 00	1.059E 00	-1.062E-01	-1.096E-01	3.0
80.000	25.5408	0.07863	1.1E 00	2.076E-01	1.062E 00	1.060E 00	-1.077E-01	-1.098E-01	3.0
81.000	25.4319	0.07855	1.3E 00	1.493E 00	1.063E 00	1.061E 00	-1.233E-01	-1.419E-01	3.0
82.000	25.3118	0.07846	1.2E 00	8.453E-01	1.063E 00	1.062E 00	-1.317E-01	-1.425E-01	3.0
83.000	25.1855	0.07845	1.1E 00	5.048E-01	1.063E 00	1.062E 00	-1.365E-01	-1.430E-01	3.0
84.000	25.0500	0.07845	1.2E 00	1.431E 00	1.062E 00	1.062E 00	-1.514E-01	-1.694E-01	3.0
85.000	24.9035	0.07848	1.2E 00	8.339E-01	1.061E 00	1.061E 00	-1.597E-01	-1.703E-01	3.0
86.000	24.7449	0.07783	1.3E 00	2.470E 00	1.100E 00	1.080E 00	-1.799E-01	-2.021E-01	3.0
87.000	24.5741	0.07685	1.2E 00	1.353E 00	1.100E 00	1.089E 00	-1.905E-01	-2.036E-01	3.0
88.000	24.3966	0.07639	1.2E 00	8.013E-01	1.099E 00	1.093E 00	-1.96ME-01	-2.052E-01	3.0
89.000	24.2066	0.07620	1.3E 00	2.081F 00	1.094E 00	1.093E 00	-2.188E-01	-2.446E-01	3.0
90.000	24.0008	0.07620	1.2E 00	1.262E 00	1.092E 00	1.093E 00	-2.313E-01	-2.473E-01	3.0
91.000	23.7748	0.07637	1.4E 00	2.765E 00	1.085E 00	1.089E 00	-2.61AE-01	-2.952E-01	3.0
91.200	23.7263	0.01531	1.3E 00	2.091E 00	1.080E 00	1.088E 00	-2.662E-01	-3.001E-01	2.0
91.400	23.6770	0.01534	1.3E 00	1.934E 00	1.078E 00	1.087E 00	-2.701E-01	-3.011E-01	2.0
91.600	23.5762	0.01536	1.3E 00	1.687E 00	1.074E 00	1.086E 00	-2.736E-01	-3.022E-01	2.0
91.800	23.5249	0.01538	1.3E 00	1.591E 00	1.072E 00	1.085E 00	-2.769E-01	-3.032E-01	2.0
92.000	23.4729	0.01540	1.3E 00	1.511E 00	1.071E 00	1.083E 00	-2.799E-01	-3.043E-01	2.0
92.200	23.4204	0.01542	1.2E 00	1.443E 00	1.069E 00	1.082E 00	-2.827E-01	-3.054E-01	2.0
92.400						1.080E 00	-2.853E-01	-3.065E-01	1.0

70

91.600	23.6270	0.01534	1.3E 00	1.800E 00	1.076E 00	1.086E 00	-2.736E-01	-3.022E-01	2.0	1.0
91.800	23.5762	0.01536	1.3E 00	1.687E 00	1.074E 00	1.085E 00	-2.769E-01	-3.032E-01	2.0	1.0
92.000	23.5249	0.01538	1.3E 00	1.591E 00	1.072E 00	1.083E 00	-2.799E-01	-3.043E-01	2.0	1.0
92.200	23.4729	0.01540	1.3E 00	1.511E 00	1.071E 00	1.082E 00	-2.827E-01	-3.054E-01	2.0	1.0
92.400	23.4204	0.01542	1.2E 00	1.443E 00	1.069E 00	1.080E 00	-2.853E-01	-3.065E-01	2.0	1.0
92.600	23.3673	0.01544	1.2E 00	1.386E 00	1.067E 00	1.079E 00	-2.877E-01	-3.076E-01	3.0	1.0
92.800	23.3132	0.01546	1.4E 00	3.197E 00	1.064E 00	1.077E 00	-2.949E-01	-3.461E-01	2.0	1.0
93.000	23.2579	0.01549	1.4E 00	2.913E 00	1.061E 00	1.075E 00	-3.012E-01	-3.477E-01	2.0	1.0

93.200	23.2012	0.01551	1.4E 00	2.692E 00	1.058E 00	1.073E 00	-3.069E-01	-3.492E-01	2.0	1.0
93.400	23.1435	0.01554	1.4E 00	2.508E 00	1.055E 00	1.071E 00	-3.121E-01	-3.508E-01	2.0	1.0
93.600	23.0847	0.01557	1.3E 00	2.355E 00	1.052E 00	1.069E 00	-3.168E-01	-3.525E-01	2.0	1.0
93.800	23.0248	0.01561	1.4E 00	3.038E 00	1.049E 00	1.067E 00	-3.234E-01	-3.708E-01	2.0	1.0
94.000	22.9635	0.01564	1.4E 00	2.830E 00	1.046E 00	1.064E 00	-3.293E-01	-3.727E-01	2.0	1.0
94.200	22.9012	0.01564	1.4E 00	2.680E 00	1.086E 00	1.067E 00	-3.346E-01	-3.749E-01	2.0	1.0
94.400	22.8379	0.01561	1.4E 00	2.784E 00	1.082E 00	1.069E 00	-3.409E-01	-3.852E-01	2.0	1.0
94.600	22.7735	0.01559	1.4E 00	2.822E 00	1.077E 00	1.070E 00	-3.472E-01	-3.935E-01	2.0	1.0
94.800	22.7080	0.01558	1.4E 00	2.931E 00	1.073E 00	1.070E 00	-3.539E-01	-4.026E-01	2.0	1.0
95.000	22.6412	0.01558	1.4E 00	3.035E 00	1.068E 00	1.070E 00	-3.609E-01	-4.113E-01	2.0	1.0
95.200	22.5731	0.01559	1.4E 00	2.853E 00	1.062E 00	1.069E 00	-3.673E-01	-4.144E-01	2.0	1.0
95.400	22.5036	0.01560	1.4E 00	3.188E 00	1.057E 00	1.067E 00	-3.746E-01	-4.265E-01	2.0	1.0
95.600	22.4327	0.01563	1.4E 00	3.044E 00	1.051E 00	1.065E 00	-3.813E-01	-4.299E-01	2.0	1.0
95.800	22.3603	0.01566	1.4E 00	3.543E 00	1.045E 00	1.063E 00	-3.894E-01	-4.454E-01	2.0	1.0
96.000	22.2862	0.01570	1.4E 00	3.404E 00	1.038E 00	1.060E 00	-3.968E-01	-4.492E-01	2.0	1.0
96.200	22.2105	0.01575	1.4E 00	3.305E 00	1.032E 00	1.056E 00	-4.039E-01	-4.531E-01	2.0	1.0
96.400	22.1330	0.01581	1.5E 00	4.144E 00	1.024E 00	1.052E 00	-4.132E-01	-4.754E-01	3.0	1.0
96.600	22.0535	0.01588	1.5E 00	3.969E 00	1.017E 00	1.047E 00	-4.219E-01	-4.800E-01	2.0	1.0
96.800	21.9720	0.01595	1.5E 00	3.864E 00	1.009E 00	1.043E 00	-4.300E-01	-4.847E-01	2.0	1.0
97.000	21.8885	0.01603	1.5E 00	3.788E 00	1.002E 00	1.037E 00	-4.377E-01	-4.896E-01	2.0	1.0
97.200	21.8032	0.01611	1.5E 00	3.736E 00	9.943E-01	1.032E 00	-4.451E-01	-4.945E-01	2.0	1.0
97.400	21.7156	0.01621	1.5E 00	4.772E 00	9.847E-01	1.025E 00	-4.558E-01	-5.227E-01	3.0	1.0
97.600	21.6254	0.01631	1.5E 00	4.631E 00	9.758E-01	1.018E 00	-4.658E-01	-5.286E-01	3.0	1.0
97.800	21.5327	0.01642	1.5E 00	4.526E 00	9.669E-01	1.011E 00	-4.753E-01	-5.347E-01	3.0	1.0
98.000	21.4374	0.01654	1.5E 00	4.420E 00	9.580E-01	1.004E 00	-4.844E-01	-5.410E-01	3.0	1.0
98.200	21.3397	0.01666	1.5E 00	4.369E 00	9.491E-01	9.965E-01	-4.931E-01	-5.474E-01	2.0	1.0
98.400	21.2392	0.01680	1.6E 00	5.160E 00	9.382E-01	9.881E-01	-5.045E-01	-5.724E-01	2.0	1.0
98.600	21.1355	0.01694	1.5E 00	5.050E 00	9.280E-01	9.794E-01	-5.155E-01	-5.799E-01	3.0	1.0
98.800	21.0286	0.01710	1.5E 00	4.969E 00	9.178E-01	9.704E-01	-5.260E-01	-5.877E-01	3.0	1.0
99.000	20.9186	0.01726	1.5E 00	4.909E 00	9.076E-01	9.612E-01	-5.363E-01	-5.957E-01	3.0	1.0
99.200	20.8055	0.01741	1.5E 00	4.711E 00	9.046E-01	9.529E-01	-5.466E-01	-6.063E-01	3.0	1.0
99.400	20.6889	0.01758	1.6E 00	5.312E 00	8.876E-01	9.430E-01	-5.584E-01	-6.246E-01	3.0	1.0
99.600	20.5685	0.01778	1.6E 00	5.570E 00	8.714E-01	9.319E-01	-5.707E-01	-6.378E-01	3.0	1.0
99.800	20.4438	0.01800	1.6E 00	5.836E 00	8.544E-01	9.197E-01	-5.836E-01	-6.518E-01	3.0	1.0
100.000	20.3145	0.01825	1.6E 00	6.063E 00	8.374E-01	9.064E-01	-5.970E-01	-6.664E-01	3.0	1.0
100.200	20.1802	0.01853	1.6E 00	6.252E 00	8.204E-01	8.922E-01	-6.109E-01	-6.816E-01	3.0	1.0
100.400	20.0406	0.01884	1.6E 00	6.250E 00	8.028E-01	8.773E-01	-6.245E-01	-6.921E-01	3.0	1.0
100.600	19.8952	0.01917	1.6E 00	6.433E 00	7.855E-01	8.616E-01	-6.390E-01	-7.087E-01	3.0	1.0
100.800	19.7434	0.01959	1.7E 00	7.267E 00	7.429E-01	8.403E-01	-6.528E-01	-7.157E-01	3.0	1.0
101.000	19.5841	0.02010	1.7E 00	7.553E 00	7.203E-01	8.180E-01	-6.687E-01	-7.385E-01	3.0	1.0
101.200	19.4160	0.02067	1.7E 00	7.783E 00	6.978E-01	7.950E-01	-6.867E-01	-7.624E-01	3.0	1.0
101.400	19.2379	0.02137	1.8E 00	8.603E 00	6.440E-01	7.644E-01	-7.023E-01	-7.636E-01	3.0	1.0
101.600	19.0478	0.02225	1.8E 00	8.746E 00	6.178E-01	7.336E-01	-7.217E-01	-7.942E-01	3.0	1.0
101.800	18.8447	0.02319	1.7E 00	7.984E 00	5.936E-01	7.037E-01	-7.375E-01	-7.956E-01	3.0	1.0
102.000	18.6253	0.02447	1.9E 00	1.025E 01	5.136E-01	6.583E-01	-7.565E-01	-8.171E-01	3.0	1.0
102.200	18.3850	0.02615	1.8E 00	9.242E 00	4.875E-01	6.162E-01	-7.751E-01	-8.317E-01	3.0	1.0
102.400	18.1154	0.02861	1.9E 00	1.195E 01	3.799E-01	5.490E-01	-7.952E-01	-8.458E-01	3.0	1.0
102.600	17.8052	0.03206	1.8E 00	9.996E 00	3.542E-01	4.907E-01	-8.173E-01	-8.687E-01	3.0	1.0
102.633	17.7500	0.00563	2.0E 00	1.277E 01	2.571E-01	4.756E-01	-8.182E-01	-8.306E-01	3.0	1.0
102.765	17.5000	0.02531	2.1E 00	1.430E 01	1.853E-01	3.975E-01	-8.279E-01	-8.542E-01	5.0	-1.0
102.872	17.2500	0.02490	2.1E 00	1.534E 01	9.046E-02	3.145E-01	-8.458E-01	-8.938E-01	3.0	-1.0
102.951	17.0000	0.02461	2.1E 00	1.594E 01	-1.200E-02	2.260E-01	-8.473E-01	-8.511E-01	3.0	-1.0
103.004	16.7500	0.02448	2.2E 00	1.714E 01	-1.250E-01	1.293E-01	-5.548E-01	-8.744E-01	3.0	-1.0
103.026	16.5000	0.02504	2.3E 00	1.983E 01	-2.516E-01	1.745E-02	-8.091E-01	-6.990E-01	3.0	-1.0
103.011	16.2500	0.02646	2.3E 00	2.069E 01	-3.933E-01	-1.107E-01	-7.654E-01	-6.690E-01	4.0	-1.0
102.948	16.0000	0.02816	2.4E 00	2.246E 01	-5.641E-01	-2.634E-01	-7.144E-01	-6.138E-01	4.0	-1.0
102.855	15.8000	0.02289	2.5E 00	2.436E 01	-7.592E-01	-4.074E-01	-7.417E-01	-8.084E-01	4.0	-1.0
102.721	15.6000	0.02261	2.6E 00	2.803E 01	-9.910E-01	-5.830E-01	-7.328E-01	-7.120E-01	3.0	-1.0
102.531	15.4000	0.02253	2.9E 00	3.533E 01	-1.329E 00	-8.256E-01	-7.467E-01	-7.753E-01	3.0	-1.0
102.269	15.2000	0.02190	3.2E 00	4.590E 01	-1.807E 00	-1.168E 00	-7.756E-01	-8.296E-01	3.0	-1.0
102.069	15.0913	0.01093	5.2E 00	1.201E 02	-3.628E 00	-1.882E 00	-8.817E-01	-1.141E 00	3.0	-1.0
101.869	14.9893	0.00749	6.3E 00	1.708E 02	-4.658E 00	-2.569E 00	-1.389E 00	-2.931E 00	7.0	1.0
101.756	14.8880	0.00350	1.2E 01	4.734E 02	-3.600E 00	-2.795E 00	-3.439E 00	-1.074E 01	3.0	1.0
101.699	14.8000	0.00195	1.1E 01	4.124E 02	2.873E 00	-2.124E 00	-4.066E 00	-8.740E 00	8.0	-1.0
101.655	14.7000	0.00199	9.4E 00	3.313E 02	3.665E 00	-1.513E 00	-4.298E 00	-6.260E 00	3.0	-1.0
101.627	14.6000	0.00191	9.1E 00	3.168E 02	4.198E 00	-9.490E-01	-4.444E 00	-5.780E 00	3.0	-1.0

101.869	14.9893	0.00749	6.3E 00	1.708E 02	-4.658E 00	-2.569E 00	-1.384E 00	-2.931E 00	3.0	1.0
101.756	14.8880	0.00350	1.2E 01	4.734E 02	-3.600E 00	-2.795E 00	-3.439E 00	-1.074E 01	8.0	-1.0
101.699	14.8000	0.00195	1.1E 01	4.124E 02	2.873E 00	-2.124E 00	-4.066E 00	-8.740E 00	3.0	-1.0
101.655	14.7000	0.00199	9.4E 00	3.313E 02	3.665E 00	-1.513E 00	-4.298E 00	-6.260E 00	3.0	-1.0
101.627	14.6000	0.00191	9.1E 00	3.168E 02	4.198E 00	-9.490E-01	-4.444E 00	-5.780E 00	3.0	-1.0
101.611	14.5000	0.00186	8.7E 00	2.939E 02	4.448E 00	-4.513E-01	-4.516E 00	-5.227E 00	3.0	-1.0
101.616	14.2500	0.00463	8.2E 00	2.650E 02	4.768E 00	6.062E-01	-4.483E 00	-4.354E 00	4.0	-1.0
101.674	14.0000	0.00476	7.5E 00	2.261E 02	4.882E 00	1.425E 00	-4.264E 00	-3.335E 00	3.0	-1.0
101.874	13.5769	0.00867	6.5E 00	1.797E 02	4.884E 00	2.421E 00	-3.874E 00	-2.908E 00	8.0	1.0
102.074	13.3030	0.00617	6.2E 00	1.641E 02	5.170E 00	2.982E 00	-3.525E 00	-2.166E 00	3.0	1.0
102.274	13.0924	0.00522	6.1E 00	1.588E 02	5.409E 00	3.401E 00	-3.194E 00	-1.633E 00	3.0	1.0
102.474	12.9217	0.00467	6.0E 00	1.534E 02	5.566E 00	3.733E 00	-2.891E 00	-1.194E 00	3.0	1.0
102.674	12.7749	0.00441	5.0E 00	1.092E 02	4.428E 00	3.818E 00	-2.654E 00	-9.529E-01	3.0	1.0
102.874	12.6431	0.00432	4.9E 00	1.065E 02	4.485E 00	3.897E 00	-2.430E 00	-7.645E-01	3.0	1.0
103.074	12.5249	0.00424	4.8E 00	1.034E 02	4.530E 00	3.970E 00	-2.220E 00	-5.945E-01	3.0	1.0
103.274	12.4193	0.00416	4.8E 00	1.047E 02	4.559E 00	4.037E 00	-2.00AE 00	-3.459E-01	3.0	1.0
103.474	12.3249	0.00410	4.6E 00	9.420E 01	4.586E 00	4.095C 00	-1.830E 00	-3.344E-01	3.0	1.0
103.674	12.2397	0.00404	4.4E 00	8.547E 01	4.613E 00	4.147E 00	-1.680E 00	-3.241E-01	3.0	1.0
103.874	12.1631	0.00400	4.5E 00	9.011E 01	4.615E 00	4.194E 00	-1.516E 00	-6.585E-02	3.0	1.0
104.074	12.0944	0.00395	4.3E 00	8.151E 01	4.624E 00	4.235E 00	-1.377E 00	-6.285E-02	3.0	1.0
104.274	12.0334	0.00392	4.4E 00	8.860E 01	4.618E 00	4.273E 00	-1.219E 00	2.276E-01	3.0	1.0
104.474	11.9797	0.00389	4.2E 00	7.993E 01	4.610E 00	4.304E 00	-1.084E 00	2.264E-01	3.0	1.0
104.674	11.9321	0.00386	4.0E 00	7.252E 01	4.602C 00	4.331C 00	-9.686E-01	2.253E-01	3.0	1.0
104.874	11.8898	0.00384	3.8E 00	6.611E 01	4.594E 00	4.353E 00	-8.642F-01	2.243E-01	3.0	1.0
105.074	11.8520	0.00382	3.7E 00	6.053F 01	4.587E 00	4.372E 00	-7.803E-01	2.235E-01	3.0	1.0
105.274	11.8188	0.00381	3.9E 00	6.745E 01	4.576E 00	4.389E 00	-6.767E-01	4.495E-01	3.0	1.0
105.474	11.7900	0.00379	3.7E 00	6.175E 01	4.564E 00	4.403E 00	-5.860E-01	4.488E-01	3.0	1.0
105.674	11.7653	0.00378	3.6E 00	5.675E 01	4.553E 00	4.414E 00	-5.060E-01	4.482E-01	3.0	1.0
105.874	11.7440	0.00377	3.4E 00	5.232E 01	4.541E 00	4.424E 00	-4.350E-01	4.478E-01	3.0	1.0
106.074	11.7258	0.00376	3.3E 00	4.839E 01	4.530E 00	4.431E 00	-3.716F-01	4.473E-01	3.0	1.0
106.274	11.7108	0.00376	3.6E 00	5.677E 01	4.523E 00	4.439E 00	-2.915E-01	6.696E-01	3.0	1.0
106.474	11.6993	0.00375	3.4E 00	5.247E 01	4.517E 00	4.444E 00	-2.202F-01	6.699E-01	3.0	1.0
106.674	11.6908	0.00375	3.3E 00	4.863E 01	4.511E 00	4.449E 00	-1.564F-01	6.702E-01	3.0	1.0
106.874	11.6851	0.00374	3.2E 00	4.519E 01	4.505E 00	4.453E 00	-9.905E-02	6.704E-01	3.0	1.0
107.074	11.6818	0.00374	3.1E 00	4.209F 01	4.499C 00	4.456E 00	-4.731F-02	6.706E-01	3.0	1.0
107.274	11.6807	0.00374	3.0E 00	3.929E 01	4.493E 00	4.459E 00	-4.642E-04	6.707E-01	3.0	1.0
107.474	11.6817	0.00374	3.0E 00	3.795E 01	4.487E 00	4.460E 00	4.411E-02	6.707E-01	1.0	1.0
107.674	11.6845	0.00374	2.9E 00	3.432E 01	4.481E 00	4.462E 00	8.275F-02	6.707E-01	3.0	1.0
107.874	11.6890	0.00374	2.8E 00	3.222C 01	4.475E 00	4.463E 00	1.181E-01	6.706E-01	3.0	1.0
108.074	11.6951	0.00373	2.7E 00	3.029E 01	4.469E 00	4.463E 00	1.505E-01	6.705E-01	3.0	1.0
108.274	11.7028	0.00373	3.0E 00	3.807E 01	4.473E 00	4.464E 00	1.953E-01	8.467E-01	3.0	1.0
108.474	11.7125	0.00373	2.9E 00	3.562E 01	4.478E 00	4.465E 00	2.360E-01	8.460E-01	3.0	1.0
108.674	11.7239	0.00373	2.8E 00	3.337E 01	4.484E 00	4.466E 00	2.731E-01	8.450E-01	3.0	1.0
108.874	11.7369	0.00373	2.8E 00	3.132E 01	4.489E 00	4.467E 00	3.070E-01	8.440E-01	3.0	1.0
109.074	11.7513	0.00373	2.7E 00	2.943E 01	4.494E 00	4.469C 00	3.380E-01	8.427E-01	3.0	1.0
109.274	11.7671	0.00373	2.6E 00	2.768E 01	4.499C 00	4.470C 00	3.664E-01	8.414E-01	3.0	1.0
109.474	11.7840	0.00373	2.6E 00	2.607E 01	4.504E 00	4.472E 00	3.926E-01	8.399E-01	3.0	1.0
109.674	11.8021	0.00373	2.5E 00	2.458E 01	4.510E 00	4.474E 00	4.166E-01	8.383E-01	3.0	1.0
109.874	11.8212	0.00372	2.4E 00	2.320E 01	4.515E 00	4.476E 00	4.388E-01	8.366E-01	3.0	1.0
110.074	11.8413	0.00372	2.4E 00	2.190E 01	4.520E 00	4.479E 00	4.593F-01	8.348E-01	2.0	1.0
111.074	11.9622	0.01854	2.8E 00	3.161E 01	4.593E 00	4.509C 00	6.273E-01	1.094E 00	3.0	1.0
112.074	12.1122	0.01838	2.5E 00	2.429E 01	4.720E 00	4.560E 00	7.330E-01	1.068E 00	3.0	1.0
113.074	12.2793	0.01815	2.4E 00	2.090E 01	4.846E 00	4.624C 00	8.013E-01	1.036E 00	3.0	1.0
114.074	12.4558	0.01787	2.3E 00	2.017E 01	4.973E 00	4.701E 00	8.450E-01	1.000E-00	3.0	1.0
115.074	12.6366	0.01756	2.3E 00	2.088E 01	5.099E 00	4.788E 00	8.706E-01	9.621E-01	3.0	1.0
116.074	12.8178	0.01723	2.4E 00	2.216E 01	5.226E 00	4.884E 00	8.821E-01	9.232E-01	3.0	1.0
117.074	12.9925	0.01688	2.5E 00	2.501E 01	5.352E 00	4.989E 00	8.832E-01	7.091E-01	3.0	1.0
118.074	13.1560	0.01652	2.6E 00	2.596E 01	5.478E 00	5.099E 00	8.855E-01	6.743E-01	3.0	1.0
119.074	13.3098	0.01623	2.3E 00	1.993E 01	5.459E 00	5.171E 00	7.745E-01	6.517E-01	3.0	1.0
120.074	13.4557	0.01600	2.3E 00	2.060E 01	5.550E 00	5.247E 00	7.457E-01	6.308E-01	3.0	1.0
121.074	13.5845	0.01577	2.8E 00	3.234E 01	5.567E 00	5.321E 00	6.153E-01	1.829E-01	3.0	1.0
122.074	13.6914	0.01560	2.5E 00	2.417E 01	5.530E 00	5.365E 00	5.264E-01	1.859E-01	3.0	1.0
123.074	13.7833	0.01550	2.3E 00	1.849E 01	5.493E 00	5.389E 00	4.628E-01	1.885E-01	3.0	1.0
124.074	13.8647	0.01545	2.1E 00	1.445E 01	5.455E 00	5.400E 00	4.155E-01	1.907E-01	3.0	1.0
125.074	13.9363	0.01543	2.2E 00	1.642E 01	5.420E 00	5.404E 00	3.579E-01	9.647E-02	3.0	1.0
126.074	13.9985	0.01543	2.0E 00	1.344E 01	5.386E 00	5.401E 00	3.138E-01	9.842E-02	3.0	1.0
127.074	14.0534	0.01544	1.9E 00	1.137E 01	5.352E 00	5.393E 00	2.791E-01	1.001E-01	3.0	1.0
128.074	14.1026	0.01547	1.9E 00	1.018E 01	5.311E 00	5.380E 00	2.511E-01	1.015E-01	3.0	1.0
129.074	14.1473	0.01551	1.8E 00	9.382E 00	5.278E 00	5.364E 00	2.282E-01	1.028E-01	3.0	1.0
130.074	14.1881	0.01556	1.8E 00	8.982E 00	5.245E 00	5.346E 00	2.091E-01	1.039E-01	3.0	1.0
131.074	14.2258	0.01562	1.8E 00	8.851E 00	5.212E 00	5.325E 00	1.932E-01	1.050E-01	3.0	1.0

128.074	14.1026	0.01547	1.9E 00	1.01AE 01	5.352E 00	5.393E 00	2.791E-01	1.001E-01	3.0	1.0
129.074	14.1473	0.01551	1.8E 00	9.382E 00	5.278E 00	5.364E 00	2.511E-01	1.015E-01	3.0	1.0
130.074	14.1881	0.01556	1.8E 00	8.982E 00	5.245E 00	5.346E 00	2.282E-01	1.028E-01	3.0	1.0
131.074	14.2258	0.01562	1.8E 00	8.851E 00	5.212E 00	5.325E 00	2.091E-01	1.039E-01	3.0	1.0
132.074	14.2609	0.01568	1.8E 00	8.887E 00	5.179E 00	5.303E 00	1.797E-01	1.050E-01	3.0	1.0
133.074	14.2929	0.01575	1.9E 00	1.015E 01	5.153E 00	5.279E 00	1.596E-01	5.427E-02	3.0	1.0
134.074	14.3217	0.01582	1.8E 00	9.253E 00	5.135E 00	5.256E 00	1.432E-01	5.471E-02	3.0	1.0
135.074	14.3477	0.01589	1.8E 00	8.562E 00	5.118E 00	5.235E 00	1.296E-01	5.511E-02	3.0	1.0
136.074	14.3714	0.01595	1.7E 00	8.032E 00	5.100E 00	5.215E 00	1.183E-01	5.547E-02	3.0	1.0
137.074	14.3932	0.01601	1.7E 00	7.628E 00	5.083E 00	5.195E 00	1.088E-01	5.579E-02	3.0	1.0
138.074	14.4134	0.01607	1.7E 00	7.318E 00	5.065E 00	5.175E 00	1.009E-01	5.609E-02	3.0	1.0
139.074	14.4323	0.01613	1.7E 00	7.082E 00	5.047E 00	5.156E 00	9.420E-02	5.637E-02	3.0	1.0
140.074	14.4501	0.01619	1.7E 00	6.901E 00	5.030E 00	5.137E 00	8.858E-02	5.663E-02	3.0	1.0

-0. 28.00000 1.00000 -0.

XNN1	YNN1	DTH	CK	REN	VDX	VDXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	27.9991	0.08339	1.1E 00	2.381E-01	9.963E-01	9.985E-01	-1.871E-03	-4.523E-03	2.0	1.0
2.000	27.9964	0.08350	1.1E 00	1.884E-01	9.965E-01	9.975E-01	-3.427E-03	-4.523E-03	1.0	1.0
3.000	27.9926	0.08356	1.0E 00	7.305E-02	9.968E-01	9.971E-01	-4.140E-03	-4.523E-03	1.0	1.0
4.000	27.9883	0.08358	1.0E 00	2.198E-02	9.970E-01	9.971E-01	-4.481E-03	-4.523E-03	1.0	1.0
5.000	27.9837	0.08357	1.0E 00	1.307E-02	9.973E-01	9.972E-01	-4.649E-03	-4.522E-03	1.0	1.0
6.000	27.9790	0.08356	1.0E 00	2.208E-02	9.976E-01	9.974E-01	-4.838E-03	-4.733E-03	1.0	1.0
7.000	27.9741	0.08354	1.0E 00	2.687E-02	9.978E-01	9.976E-01	-4.879E-03	-4.732E-03	1.0	1.0
8.000	27.9692	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.879E-03	-4.732E-03	1.0	1.0
9.000	27.9643	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.879E-03	-4.731E-03	1.0	1.0
10.000	27.9594	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.879E-03	-4.731E-03	1.0	1.0
11.000	27.9544	0.08345	1.0E 00	3.501E-02	9.990E-01	9.987E-01	-5.173E-03	-5.167E-03	1.0	1.0
12.000	27.9491	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.314E-03	-5.167E-03	1.0	1.0
13.000	27.9438	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.314E-03	-5.166E-03	1.0	1.0
14.000	27.9385	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.314E-03	-5.165E-03	1.0	1.0
15.000	27.9332	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.314E-03	-5.165E-03	1.0	1.0
16.000	27.9277	0.08333	1.0E 00	4.576E-02	1.000E 00	1.000E 00	-5.736E-03	-5.854E-03	1.0	1.0
17.000	27.9218	0.08331	1.0E 00	3.614E-02	1.001E 00	1.000E 00	-5.942E-03	-5.853E-03	1.0	1.0
18.000	27.9159	0.08328	1.0E 00	3.666E-02	1.001E 00	1.001E 00	-5.999E-03	-5.852E-03	1.0	1.0
19.000	27.9099	0.08325	1.0E 00	3.663E-02	1.001E 00	1.001E 00	-5.999E-03	-5.852E-03	1.0	1.0
20.000	27.9039	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.999E-03	-5.851E-03	1.0	1.0
21.000	27.8976	0.08320	1.0E 00	6.094E-02	1.002E 00	1.002E 00	-6.575E-03	-6.837E-03	1.0	1.0
22.000	27.8909	0.08317	1.0E 00	4.295E-02	1.003E 00	1.002E 00	-6.854E-03	-6.836E-03	1.0	1.0
23.000	27.8840	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-6.982E-03	-6.836E-03	1.0	1.0
24.000	27.8770	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.982E-03	-6.835E-03	1.0	1.0
25.000	27.8701	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.982E-03	-6.834E-03	1.0	1.0
26.000	27.8627	0.08304	1.0E 00	8.108E-02	1.004E 00	1.004E 00	-7.747E-03	-8.185E-03	1.0	1.0
27.000	27.8548	0.08301	1.0E 00	5.289E-02	1.005E 00	1.004E 00	-8.115E-03	-8.184E-03	1.0	1.0
28.000	27.8467	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.296E-03	-8.182E-03	1.0	1.0
29.000	27.8384	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.327E-03	-8.181E-03	1.0	1.0
30.000	27.8301	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.327E-03	-8.180E-03	1.0	1.0
31.000	27.8213	0.08286	1.0E 00	1.074E-01	1.006E 00	1.006E 00	-9.334E-03	-9.992E-03	1.0	1.0
32.000	27.8118	0.08282	1.0E 00	6.646E-02	1.007E 00	1.006E 00	-9.815E-03	-9.990E-03	1.0	1.0
33.000	27.8019	0.08278	1.0E 00	5.789E-02	1.007E 00	1.007E 00	-1.005E-02	-9.989E-03	1.0	1.0
34.000	27.7919	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.013E-02	-9.987E-03	1.0	1.0
35.000	27.7819	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.013E-02	-9.985E-03	1.0	1.0
36.000	27.7713	0.08265	1.0E 00	1.099E-01	1.009E 00	1.008E 00	-1.118E-02	-1.239E-02	3.0	1.0
37.000	27.7599	0.08261	1.0E 00	7.735E-02	1.010E 00	1.009E 00	-1.179E-02	-1.239E-02	3.0	1.0
38.000	27.7481	0.08257	1.0E 00	6.255E-02	1.010E 00	1.010E 00	-1.212E-02	-1.239E-02	2.0	1.0
39.000	27.7360	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.233E-02	-1.239E-02	2.0	1.0
40.000	27.7237	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.250E-02	-1.239E-02	1.0	1.0
41.000	27.7106	0.08241	1.1E 00	1.501E-01	1.012E 00	1.011E 00	-1.349E-02	-1.558E-02	3.0	1.0
42.000	27.6965	0.08236	1.0E 00	1.034E-01	1.013E 00	1.012E 00	-1.464E-02	-1.558E-02	3.0	1.0
43.000	27.6818	0.08231	1.0E 00	8.002E-02	1.014E 00	1.013E 00	-1.514E-02	-1.558E-02	2.0	1.0
44.000	27.6667	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.541E-02	-1.557E-02	2.0	1.0
45.000	27.6514	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.558E-02	-1.557E-02	2.0	1.0
46.000	27.6351	0.08213	1.1E 00	2.079E-01	1.016E 00	1.015E 00	-1.746E-02	-1.983E-02	3.0	1.0
47.000	27.6174	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.854E-02	-1.982E-02	3.0	1.0
48.000	27.5989	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.918E-02	-1.982E-02	3.0	1.0
49.000	27.5798	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.953E-02	-1.981E-02	2.0	1.0
50.000	27.5605	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.974E-02	-1.981E-02	2.0	1.0
51.000	27.5399	0.08177	1.1E 00	2.770E-01	1.021E 00	1.020E 00	-2.227E-02	-2.551E-02	3.0	1.0
52.000	27.5174	0.08169	1.1E 00	1.821E-01	1.022E 00	1.021E 00	-2.372E-02	-2.550E-02	3.0	1.0
53.000	27.4938	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.456E-02	-2.550E-02	3.0	1.0
54.000	27.4695	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.502E-02	-2.550E-02	2.0	1.0
55.000	27.4449	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.531E-02	-2.549E-02	2.0	1.0

54.000	27.4695	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.502E-02	-2.550E-02	2.0	1.0
55.000	27.4449	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.531E-02	-2.549E-02	2.0	1.0
56.000	27.4185	0.08135	1.1E 00	3.717E-01	1.027E 00	1.025E 00	-2.875E-02	-3.319E-02	3.0	1.0
57.000	27.3896	0.08125	1.1E 00	2.378E-01	1.028E 00	1.026E 00	-3.070E-02	-3.318E-02	3.0	1.0
58.000	27.3591	0.08115	1.1E 00	1.762E-01	1.029E 00	1.028E 00	-3.183E-02	-3.318E-02	3.0	1.0
59.000	27.3278	0.08105	1.1E 00	1.529E-01	1.031E 00	1.029E 00	-3.249E-02	-3.318E-02	3.0	1.0
60.000	27.2961	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.285E-02	-3.317E-02	2.0	1.0
61.000	27.2619	0.08085	1.1E 00	5.007E-01	1.033E 00	1.031E 00	-3.758E-02	-4.367E-02	3.0	1.0
62.000	27.2242	0.08073	1.1E 00	3.110E-01	1.035E 00	1.033E 00	-4.023E-02	-4.367E-02	3.0	1.0
63.000	27.1846	0.08062	1.1E 00	2.202E-01	1.036E 00	1.034E 00	-4.175E-02	-4.367E-02	3.0	1.0
64.000	27.1438	0.08051	1.1E 00	1.832E-01	1.038E 00	1.036E 00	-4.265E-02	-4.367E-02	3.0	1.0
65.000	27.1024	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.314E-02	-4.368E-02	2.0	1.0
66.000	27.0577	0.08028	1.2E 00	6.837E-01	1.041E 00	1.039E 00	-4.975E-02	-5.816E-02	3.0	1.0
67.000	27.0081	0.08015	1.1E 00	4.116E-01	1.043E 00	1.041E 00	-5.340E-02	-5.818E-02	3.0	1.0
68.000	26.9558	0.08002	1.1E 00	2.762E-01	1.044E 00	1.042E 00	-5.549E-02	-5.820E-02	3.0	1.0
69.000	26.9020	0.07990	1.1E 00	2.161E-01	1.046E 00	1.044E 00	-5.671E-02	-5.823E-02	3.0	1.0
70.000	26.8474	0.07977	1.1E 00	1.938E-01	1.048E 00	1.045E 00	-5.745E-02	-5.825E-02	3.0	1.0
71.000	26.7880	0.07964	1.2E 00	9.413E-01	1.050E 00	1.047E 00	-6.681E-02	-7.850E-02	3.0	1.0
72.000	26.7218	0.07951	1.1E 00	5.487E-01	1.051E 00	1.049E 00	-7.190E-02	-7.857E-02	3.0	1.0
73.000	26.6519	0.07939	1.1E 00	3.467E-01	1.053E 00	1.051E 00	-7.480E-02	-7.865E-02	3.0	1.0
74.000	26.5800	0.07927	1.1E 00	2.483E-01	1.054E 00	1.052E 00	-7.651E-02	-7.873E-02	3.0	1.0
75.000	26.5068	0.07915	1.1E 00	2.060E-01	1.056E 00	1.054E 00	-7.755E-02	-7.881E-02	3.0	1.0
76.000	26.4268	0.07902	1.2E 00	1.319E 00	1.057E 00	1.055E 00	-9.114E-02	-1.075E-01	3.0	1.0
77.000	26.3371	0.07891	1.2E 00	7.469E-01	1.059E 00	1.057E 00	-9.837E-02	-1.077E-01	3.0	1.0
78.000	26.2422	0.07881	1.1E 00	4.473E-01	1.060E 00	1.058E 00	-1.025E-01	-1.080E-01	3.0	1.0
79.000	26.1442	0.07872	1.1E 00	2.877E-01	1.061E 00	1.059E 00	-1.049E-01	-1.082E-01	3.0	1.0
80.000	26.0445	0.07863	1.1E 00	2.051E-01	1.062E 00	1.060E 00	-1.065E-01	-1.085E-01	3.0	1.0
81.000	25.9370	0.07855	1.2E 00	1.446E 00	1.063E 00	1.061E 00	-1.215E-01	-1.395E-01	3.0	1.0
82.000	25.8188	0.07848	1.2E 00	8.207E-01	1.063E 00	1.062E 00	-1.296E-01	-1.400E-01	3.0	1.0
83.000	25.6946	0.07845	1.1E 00	4.910E-01	1.063E 00	1.062E 00	-1.343E-01	-1.406E-01	3.0	1.0
84.000	25.5614	0.07845	1.2E 00	1.383E 00	1.062E 00	1.062E 00	-1.486E-01	-1.659E-01	3.0	1.0
85.000	25.4177	0.07848	1.2E 00	8.073E-01	1.061E 00	1.061E 00	-1.566E-01	-1.668E-01	3.0	1.0
86.000	25.2612	0.07855	1.3E 00	1.769E 00	1.059E 00	1.060E 00	-1.754E-01	-1.973E-01	3.0	1.0
87.000	25.0907	0.07867	1.2E 00	1.042E 00	1.056E 00	1.058E 00	-1.858E-01	-1.987E-01	3.0	1.0
88.000	24.9120	0.07883	1.2E 00	6.861E-01	1.053E 00	1.056E 00	-1.921E-01	-2.003E-01	3.0	1.0
89.000	24.7215	0.07822	1.4E 00	2.566E 00	1.095E 00	1.075E 00	-2.139E-01	-2.373E-01	3.0	1.0
90.000	24.5178	0.07726	1.2E 00	1.359E 00	1.092E 00	1.082E 00	-2.256E-01	-2.400E-01	3.0	1.0
91.000	24.2966	0.07695	1.4E 00	2.526E 00	1.085E 00	1.084E 00	-2.534E-01	-2.842E-01	3.0	1.0
91.200	24.2495	0.01538	1.3E 00	1.897E 00	1.080E 00	1.083E 00	-2.574E-01	-2.889E-01	2.0	1.0
91.400	24.2016	0.01539	1.3E 00	1.752E 00	1.078E 00	1.083E 00	-2.610E-01	-2.899E-01	2.0	1.0
91.600	24.1531	0.01540	1.3E 00	1.629E 00	1.076E 00	1.082E 00	-2.643E-01	-2.910E-01	2.0	1.0
91.800	24.1039	0.01541	1.3E 00	1.526E 00	1.074E 00	1.081E 00	-2.674E-01	-2.920E-01	2.0	1.0
92.000	24.0542	0.01542	1.2E 00	1.441E 00	1.072E 00	1.080E 00	-2.702E-01	-2.930E-01	2.0	1.0
92.200	24.0039	0.01544	1.2E 00	1.371E 00	1.071E 00	1.079E 00	-2.728E-01	-2.941E-01	2.0	1.0
92.400	23.9531	0.01545	1.2E 00	1.313E 00	1.069E 00	1.078E 00	-2.752E-01	-2.952E-01	2.0	1.0
92.600	23.9018	0.01547	1.2E 00	1.265E 00	1.067E 00	1.077E 00	-2.775E-01	-2.963E-01	2.0	1.0
92.800	23.8496	0.01549	1.4E 00	2.909E 00	1.064E 00	1.075E 00	-2.839E-01	-3.310E-01	2.0	1.0
93.000	23.7962	0.01551	1.4E 00	2.677E 00	1.061E 00	1.074E 00	-2.897E-01	-3.325E-01	2.0	1.0
93.200	23.7417	0.01554	1.4E 00	2.484E 00	1.058E 00	1.072E 00	-2.949E-01	-3.340E-01	2.0	1.0
93.400	23.6862	0.01556	1.1E 00	2.324E 00	1.055E 00	1.070E 00	-2.996E-01	-3.356E-01	2.0	1.0
93.600	23.6298	0.01559	1.3E 00	2.192E 00	1.052E 00	1.068E 00	-3.040E-01	-3.371E-01	2.0	1.0
93.800	23.5722	0.01562	1.4E 00	2.807E 00	1.049E 00	1.066E 00	-3.100E-01	-3.536E-01	2.0	1.0
94.000	23.5135	0.01566	1.4E 00	2.629E 00	1.046E 00	1.063E 00	-3.154E-01	-3.555E-01	2.0	1.0
94.200	23.4536	0.01569	1.4E 00	2.483E 00	1.042E 00	1.061E 00	-3.204E-01	-3.573E-01	2.0	1.0
94.400	23.3926	0.01573	1.4E 00	2.699E 00	1.038E 00	1.058E 00	-3.259E-01	-3.663E-01	2.0	1.0
94.600	23.3304	0.01577	1.4E 00	2.801E 00	1.034E 00	1.055E 00	-3.317E-01	-3.733E-01	2.0	1.0
94.800	23.2669	0.01582	1.4E 00	2.917E 00	1.030E 00	1.052E 00	-3.377E-01	-3.810E-01	2.0	1.0
95.000	23.2020	0.01586	1.4E 00	2.999E 00	1.026E 00	1.049E 00	-3.439E-01	-3.882E-01	2.0	1.0
95.200	23.1357	0.01591	1.4E 00	2.850E 00	1.022E 00	1.046E 00	-3.497E-01	-3.906E-01	2.0	1.0
95.400	23.0681	0.01597	1.4E 00	3.075E 00	1.017E 00	1.042E 00	-3.560E-01	-4.005E-01	2.0	1.0
95.600	22.9991	0.01602	1.4E 00	2.935E 00	1.012E 00	1.038E 00	-3.618E-01	-4.031E-01	2.0	1.0
95.800	22.9288	0.01605	1.4E 00	2.842E 00	1.045E 00	1.039E 00	-3.685E-01	-4.154E-01	2.0	1.0
96.000	22.8573	0.01604	1.4E 00	2.672E 00	1.038E 00	1.039E 00	-3.747E-01	-4.191E-01	2.0	1.0
96.200	22.7846	0.01605	1.4E 00	2.572E 00	1.032E 00	1.038E 00	-3.805E-01	-4.229E-01	2.0	1.0
96.400	22.7105	0.01607	1.4E 00	3.285E 00	1.024E 00	1.036E 00	-3.882E-01	-4.414E-01	2.0	1.0
96.600	22.6348	0.01610	1.4E 00	3.200E 00	1.017E 00	1.034E 00	-3.955E-01	-4.458E-01	2.0	1.0
96.800	22.5575	0.01614	1.4E 00	3.159E 00	1.009E 00	1.031E 00	-4.024E-01	-4.503E-01	2.0	1.0
97.000	22.4786	0.01620	1.4E 00	3.150E 00	1.002E 00	1.027E 00	-4.091E-01	-4.548E-01	2.0	1.0

97.000	22.4786	0.01620	1.4E 00	3.150E 00	1.002E 00	1.027E 00	-4.091E-01	-4.546E-01	2.0	1.0
97.200	22.3981	0.01626	1.4E 00	3.162E 00	9.943E-01	1.023E 00	-4.155E-01	-4.595E-01	2.0	1.0
97.400	22.3158	0.01633	1.5E 00	4.062E 00	9.847E-01	1.018E 00	-4.245E-01	-4.824E-01	3.0	1.0
97.600	22.2313	0.01642	1.5E 00	3.986E 00	9.758E-01	1.012E 00	-4.330E-01	-4.880E-01	2.0	1.0
97.800	22.1447	0.01652	1.5E 00	3.965E 00	9.669E-01	1.006E 00	-4.412E-01	-4.937E-01	2.0	1.0
98.000	22.0560	0.01662	1.5E 00	3.960E 00	9.580E-01	9.996E-01	-4.491E-01	-4.996E-01	2.0	1.0
98.200	21.9650	0.01673	1.5E 00	3.965E 00	9.491E-01	9.928E-01	-4.567E-01	-5.056E-01	2.0	1.0
98.400	21.8717	0.01685	1.5E 00	4.614E 00	9.382E-01	9.851E-01	-4.665E-01	-5.257E-01	3.0	1.0
98.600	21.7756	0.01699	1.5E 00	4.581E 00	9.280E-01	9.769E-01	-4.760E-01	-5.326E-01	3.0	1.0
98.800	21.6768	0.01713	1.5E 00	4.530E 00	9.178E-01	9.685E-01	-4.851E-01	-5.398E-01	2.0	1.0
99.000	21.5752	0.01729	1.5E 00	4.526E 00	9.076E-01	9.598E-01	-4.940E-01	-5.472E-01	2.0	1.0
99.200	21.4709	0.01745	1.5E 00	4.528E 00	8.974E-01	9.508E-01	-5.028E-01	-5.548E-01	2.0	1.0
99.400	21.3636	0.01762	1.5E 00	4.720E 00	8.863E-01	9.412E-01	-5.122E-01	-5.659E-01	3.0	1.0
99.600	21.2532	0.01780	1.5E 00	4.688E 00	8.755E-01	9.315E-01	-5.214E-01	-5.743E-01	2.0	1.0
99.800	21.1397	0.01799	1.5E 00	4.653E 00	8.645E-01	9.215E-01	-5.304E-01	-5.813E-01	2.0	1.0
100.000	21.0229	0.01819	1.5E 00	4.687E 00	8.534E-01	9.112E-01	-5.395E-01	-5.902E-01	2.0	1.0
100.200	20.9028	0.01840	1.5E 00	4.714E 00	8.424E-01	9.007E-01	-5.486E-01	-5.994E-01	2.0	1.0
100.400	20.7788	0.01867	1.6E 00	5.689E 00	8.028E-01	8.847E-01	-5.581E-01	-6.063E-01	3.0	1.0
100.600	20.6503	0.01902	1.6E 00	6.078E 00	7.855E-01	8.680E-01	-5.687E-01	-6.210E-01	3.0	1.0
100.800	20.5169	0.01939	1.6E 00	5.890E 00	7.693E-01	8.511E-01	-5.781E-01	-6.238E-01	3.0	1.0
101.000	20.3784	0.01978	1.6E 00	6.051E 00	7.511E-01	8.337E-01	-5.888E-01	-6.394E-01	3.0	1.0
101.200	20.2342	0.02021	1.6E 00	6.182E 00	7.340E-01	8.160E-01	-6.007E-01	-6.557E-01	3.0	1.0
101.400	20.0842	0.02065	1.6E 00	5.670E 00	7.180E-01	7.986E-01	-6.097E-01	-6.512E-01	3.0	1.0
101.600	19.9285	0.02110	1.6E 00	5.800E 00	7.017E-01	7.809E-01	-6.204E-01	-6.680E-01	3.0	1.0
101.800	19.7654	0.02175	1.7E 00	7.738E 00	6.354E-01	7.517E-01	-6.294E-01	-6.651E-01	3.0	1.0
102.000	19.5935	0.02259	1.7E 00	7.268E 00	6.161E-01	7.241E-01	-6.389E-01	-6.758E-01	3.0	1.0
102.200	19.4126	0.02344	1.7E 00	6.713E 00	5.983E-01	6.980E-01	-6.476E-01	-6.809E-01	3.0	1.0
102.400	19.2204	0.02456	1.8E 00	8.637E 00	5.294E-01	6.593E-01	-6.563E-01	-6.852E-01	3.0	1.0
102.600	19.0146	0.02596	1.7E 00	7.619E 00	5.114E-01	6.248E-01	-6.652E-01	-6.941E-01	3.0	1.0
102.800	18.7964	0.02734	1.6E 00	6.392E 00	4.966E-01	5.946E-01	-6.655E-01	-6.663E-01	3.0	1.0
103.000	18.5613	0.02927	1.8E 00	9.175E 00	4.067E-01	5.442E-01	-6.729E-01	-6.926E-01	3.0	1.0
103.200	18.3037	0.03182	1.7E 00	7.243E 00	3.960E-01	5.033E-01	-6.764E-01	-6.855E-01	3.0	1.0
103.400	18.0182	0.03547	1.8E 00	9.857E 00	2.976E-01	4.365E-01	-6.654E-01	-6.423E-01	3.0	1.0
103.600	17.6951	0.04047	1.7E 00	6.923E 00	2.892E-01	3.872E-01	-6.651E-01	-6.644E-01	3.0	1.0
103.707	17.5000	0.02457	2.0E 00	1.303E 01	1.452E-01	3.245C-01	-6.372C-01	-5.570E-01	7.0	-1.0
103.821	17.2500	0.03340	2.0E 00	1.209E 01	8.261E-02	2.458E-01	-6.102E-01	-5.542E-01	3.0	-1.0
103.908	17.0000	0.03475	1.9E 00	1.111E 01	1.954E-02	1.714E-01	-5.888E-01	-5.449E-01	3.0	-1.0
103.966	16.7500	0.03602	1.9E 00	1.057E 01	-4.480E-02	9.899E-02	-5.681E-01	-5.268E-01	3.0	-1.0
103.995	16.5000	0.03748	1.9E 00	1.035E 01	-1.106E-01	2.682E-02	-5.437E-01	-4.971E-01	4.0	-1.0
103.990	16.2500	0.03951	1.9E 00	1.042E 01	-1.789E-01	-4.729E-02	-5.109E-01	-4.526E-01	4.0	-1.0
103.945	16.0000	0.04274	1.9E 00	1.087E 01	-2.529E-01	-1.271E-01	-4.638E-01	-3.895E-01	4.0	-1.0
103.870	15.8000	0.03814	1.9E 00	1.175E 01	-3.323E-01	-2.011E-01	-4.102E-01	-3.148E-01	4.0	-1.0
103.737	15.6000	0.04472	2.0E 00	1.268E 01	-4.208E-01	-2.929E-01	-3.352E-01	-2.307E-01	4.0	-1.0
103.499	15.4000	0.06120	1.9E 00	1.178E 01	-4.146E-01	-3.559E-01	-2.095E-01	-9.225E-02	5.0	-1.0

-0.	27.75000	1.00000	-0.

XNN1	YNN1	OTH	CK	REN	VDX	VDXNN1	VDYNN1	VOY	XXT	DIRECT
1.000	27.7491	0.08339	1.1E 00	2.373E-01	9.963E-01	9.985E-01	-1.861E-03	-4.498E-03	2.0	1.0
2.000	27.7464	0.08350	1.1E 00	1.878E-01	9.965E-01	9.975E-01	-3.409E-03	-4.498E-03	1.0	1.0
3.000	27.7427	0.08356	1.0E 00	7.273E-02	9.968E-01	9.971E-01	-4.118E-03	-4.498E-03	1.0	1.0
4.000	27.7384	0.08358	1.0E 00	2.180E-02	9.970E-01	9.971E-01	-4.457E-03	-4.498E-03	1.0	1.0
5.000	27.7338	0.08357	1.0E 00	1.305E-02	9.973E-01	9.972E-01	-4.625E-03	-4.497E-03	1.0	1.0
6.000	27.7291	0.08356	1.0E 00	2.205E-02	9.976E-01	9.974E-01	-4.813E-03	-4.706E-03	1.0	1.0
7.000	27.7242	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.853E-03	-4.706E-03	1.0	1.0
8.000	27.7194	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.853E-03	-4.705E-03	1.0	1.0
9.000	27.7145	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.853E-03	-4.705E-03	1.0	1.0
10.000	27.7096	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.853E-03	-4.704E-03	1.0	1.0
11.000	27.7046	0.08345	1.0E 00	3.497E-02	9.990E-01	9.987E-01	-5.146E-03	-5.139E-03	1.0	1.0
12.000	27.6994	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.286E-03	-5.139E-03	1.0	1.0
13.000	27.6941	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.286E-03	-5.138E-03	1.0	1.0
14.000	27.6888	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.286E-03	-5.137E-03	1.0	1.0
15.000	27.6835	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.286E-03	-5.137E-03	1.0	1.0
16.000	27.6780	0.08333	1.0E 00	4.566E-02	1.000E 00	1.000E 00	-5.707E-03	-5.823E-03	1.0	1.0
17.000	27.6722	0.08331	1.0E 00	3.613E-02	1.001E 00	1.000E 00	-5.912C-03	-5.823E-03	1.0	1.0
18.000	27.6663	0.08328	1.0E 00	3.667E-02	1.001E 00	1.001E 00	-5.969E-03	-5.822E-03	1.0	1.0
19.000	27.6603	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-5.969F-03	-5.821E-03	1.0	1.0
20.000	27.6544	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.969E-03	-5.820E-03	1.0	1.0
21.000	27.6481	0.08320	1.0E 00	6.080E-02	1.002E 00	1.002E 00	-6.542F-03	-6.803E-03	1.0	1.0

22.000	27.6415	0.08317	1.0F 00	4.202E-02	1.003E 00	1.002E 00	-6.821E-03	-6.803E-03	1.0	1.0
23.000	27.6346	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-6.942E-03	-6.802E-03	1.0	1.0
24.000	27.6277	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.944E-03	-6.801E-03	1.0	1.0
25.000	27.6207	0.08307	1.0F 00	4.307F-02	1.004F 00	1.003E 00	-6.944E-03	-6.800E-03	1.0	1.0
26.000	27.6134	0.08304	1.0E 00	8.088E-02	1.004E 00	1.004E 00	-7.711E-03	-8.147E-03	1.0	1.0
27.000	27.6056	0.08301	1.0E 00	5.284F-02	1.005E 00	1.004E 00	-8.078E-03	-8.146E-03	1.0	1.0
28.000	27.5974	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.258E-03	-8.144E-03	1.0	1.0
29.000	27.5892	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.289E-03	-8.143E-03	1.0	1.0
30.000	27.5810	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.289E-03	-8.142E-03	1.0	1.0
31.000	27.5722	0.08286	1.0F 00	1.072E-01	1.006E 00	1.006E 00	-9.293E-03	-9.949E-03	1.0	1.0
32.000	27.5627	0.08282	1.0E 00	6.639E-02	1.007C 00	1.006C 00	-9.773F-03	-9.948E-03	1.0	1.0
33.000	27.5529	0.08278	1.0E 00	5.788F-02	1.007E 00	1.007E 00	-1.001F-02	-9.946E-03	1.0	1.0
34.000	27.5429	0.08274	1.0E 00	5.818F-02	1.007E 00	1.007E 00	-1.009E-02	-9.944E-03	1.0	1.0
35.000	27.5329	0.08269	1.0E 00	5.918F-02	1.008E 00	1.008E 00	-1.009E-02	-9.943E-03	1.0	1.0
36.000	27.5224	0.08265	1.0E 00	1.097C-01	1.009E 00	1.008E 00	-1.113E-02	-1.234E-02	3.0	1.0
37.000	27.5111	0.08261	1.0E 00	7.727E-02	1.010F 00	1.009E 00	-1.174E-02	-1.234E-02	3.0	1.0
38.000	27.4993	0.08257	1.0E 00	6.253E-02	1.010E 00	1.010E 00	-1.208E-02	-1.234E-02	2.0	1.0
39.000	27.4872	0.08253	1.0E 00	6.130E-02	1.011F 00	1.010E 00	-1.228E-02	-1.234E-02	2.0	1.0
40.000	27.4750	0.08247	1.0E 00	8.211E-02	1.012E 00	1.011E 00	-1.246F-02	-1.234E-02	2.0	1.0
41.000	27.4620	0.08241	1.1E 00	1.499F-01	1.012E 00	1.011E 00	-1.384F-02	-1.553E-02	3.0	1.0
42.000	27.4479	0.08236	1.0E 00	1.033E-01	1.013E 00	1.012E 00	-1.465F-02	-1.553E-02	3.0	1.0
43.000	27.4332	0.08231	1.0E 00	7.999E-02	1.014E 00	1.013E 00	-1.509F-02	-1.553E-02	2.0	1.0
44.000	27.4182	0.08225	1.0E 00	7.807E-02	1.015E 00	1.014E 00	-1.536F-02	-1.552E-02	2.0	1.0
45.000	27.4029	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.553E-02	-1.552E-02	2.0	1.0
46.000	27.3867	0.08213	1.1E 00	2.079E-01	1.016E 00	1.015E 00	-1.741E-02	-1.977E-02	3.0	1.0
47.000	27.3690	0.08206	1.1E 00	1.402E-01	1.017C 00	1.016E 00	-1.849F-02	-1.977E-02	3.0	1.0
48.000	27.3505	0.08199	1.0E 00	1.120E-01	1.018F 00	1.017E 00	-1.913F-02	-1.977E-02	3.0	1.0
49.000	27.3316	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.947E-02	-1.976E-02	2.0	1.0
50.000	27.3123	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.967E-02	-1.976E-02	2.0	1.0
51.000	27.2918	0.08177	1.1E 00	2.772E-01	1.021E 00	1.020E 00	-2.222E-02	-2.546E-02	3.0	1.0
52.000	27.2693	0.08169	1.1E 00	1.822E-01	1.022F 00	1.021C 00	-2.367E-02	-2.546E-02	3.0	1.0
53.000	27.2457	0.08161	1.1E 00	1.404E-01	1.023C 00	1.022E 00	-2.451E-02	-2.545E-02	3.0	1.0
54.000	27.2215	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.497E-02	-2.545E-02	2.0	1.0
55.000	27.1969	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.526E-02	-2.544E-02	2.0	1.0
56.000	27.1706	0.08135	1.1E 00	3.725C-01	1.027E 00	1.025E 00	-2.871E-02	-3.316E-02	3.0	1.0
57.000	27.1416	0.08125	1.1E 00	2.582E-01	1.028F 00	1.026E 00	-3.066F-02	-3.315E-02	3.0	1.0
58.000	27.1112	0.08115	1.1E 00	1.764E-01	1.029E 00	1.028E 00	-3.179E-02	-3.315E-02	3.0	1.0
59.000	27.0800	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.246E-02	-3.315E-02	3.0	1.0
60.000	27.0483	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.282E-02	-3.314E-02	2.0	1.0
61.000	27.0141	0.08085	1.1E 00	5.026E-01	1.033E 00	1.031E 00	-3.757E-02	-4.366E-02	3.0	1.0
62.000	26.9764	0.08073	1.1E 00	3.119E-01	1.035E 00	1.033E 00	-4.023E-02	-4.368E-02	3.0	1.0
63.000	26.9368	0.08062	1.1E 00	2.206E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	1.0
64.000	26.8960	0.08051	1.1E 00	1.833E-01	1.038E 00	1.036E 00	-4.266E-02	-4.369E-02	3.0	1.0
65.000	26.8546	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.315E-02	-4.369E-02	2.0	1.0
66.000	26.8098	0.08028	1.2E 00	6.877E-01	1.041E 00	1.039E 00	-4.980E-02	-5.827E-02	3.0	1.0
67.000	26.7462	0.08015	1.1E 00	4.136E-01	1.043E 00	1.041E 00	-5.347E-02	-5.829E-02	3.0	1.0
68.000	26.7078	0.08002	1.1E 00	2.772F-01	1.044E 00	1.042E 00	-5.558E-02	-5.831E-02	3.0	1.0
69.000	26.6539	0.07990	1.1E 00	2.164E-01	1.046E 00	1.044C 00	-5.681F-02	-5.833E-02	3.0	1.0
70.000	26.5992	0.07977	1.1E 00	1.939F-01	1.048E 00	1.045E 00	-5.755E-02	-5.836E-02	3.0	1.0
71.000	26.5397	0.07964	1.2E 00	9.494F-01	1.050E 00	1.047E 00	-6.701E-02	-7.879E-02	3.0	1.0
72.000	26.4733	0.07951	1.1E 00	5.529F-01	1.051E 00	1.049E 00	-7.214F-02	-7.886E-02	3.0	1.0
73.000	26.4032	0.07939	1.1E 00	3.486F-01	1.053E 00	1.051C 00	-7.506E-02	-7.894E-02	3.0	1.0
74.000	26.3310	0.07927	1.1E 00	2.493E-01	1.054E 00	1.052E 00	-7.678E-02	-7.902E-02	3.0	1.0
75.000	26.2576	0.07915	1.1E 00	2.064E-01	1.056E 00	1.054E 00	-7.783E-02	-7.911E-02	3.0	1.0
76.000	26.1772	0.07902	1.2E 00	1.335E 00	1.057E 00	1.055E 00	-9.161E-02	-1.082E-01	3.0	1.0
77.000	26.0870	0.07891	1.2E 00	7.551E-01	1.059E 00	1.057E 00	-9.893E-02	-1.084E-01	3.0	1.0
78.000	25.9915	0.07881	1.1E 00	4.517E-01	1.060E 00	1.058E 00	-1.031E-01	-1.086E-01	3.0	1.0
79.000	25.8930	0.07872	1.1E 00	2.901E-01	1.061E 00	1.059E 00	-1.056E-01	-1.089E-01	3.0	1.0
80.000	25.7926	0.07863	1.1E 00	2.063E-01	1.062E 00	1.060E 00	-1.071E-01	-1.091E-01	3.0	1.0
81.000	25.6845	0.07855	1.3E 00	1.469E 00	1.063E 00	1.061E 00	-1.224E-01	-1.407E-01	3.0	1.0
82.000	25.5653	0.07846	1.2E 00	8.330E-01	1.063E 00	1.062E 00	-1.306E-01	-1.412E-01	3.0	1.0
83.000	25.4401	0.07845	1.1E 00	4.979E-01	1.063E 00	1.062E 00	-1.354E-01	-1.418E-01	3.0	1.0
84.000	25.3057	0.07845	1.2E 00	1.406E 00	1.062E 00	1.062E 00	-1.500F-01	-1.677E-01	3.0	1.0
85.000	25.1606	0.07848	1.2E 00	8.206E-01	1.061E 00	1.061E 00	-1.581E-01	-1.686E-01	3.0	1.0
86.000	25.0025	0.07855	1.3E 00	1.805E 00	1.059E 00	1.060C 00	-1.774E-01	-1.997E-01	3.0	1.0
87.000	24.8300	0.07867	1.2E 00	1.060E 00	1.056E 00	1.058E 00	-1.880E-01	-2.011E-01	3.0	1.0

85.000	25.1606	0.07848	1.2E 00	8.206E-01	1.061E 00	1.060E 00	-1.500E-01	-1.677E-01	3.0	1.0
86.000	25.0025	0.07855	1.3E 00	1.805E 00	1.059E 00	1.060E 00	-1.581E-01	-1.686E-01	3.0	1.0
87.000	24.8300	0.07867	1.2E 00	1.060E 00	1.056E 00	1.058E 00	-1.880E-01	-2.011E-01	3.0	1.0
88.000	24.6507	0.07805	1.3E 00	1.886E 00	1.099E 00	1.077E 00	-1.949E-01	-2.028E-01	3.0	1.0
89.000	24.4605	0.07706	1.3E 00	2.145E 00	1.095E 00	1.086E 00	-2.164E-01	-2.410E-01	3.0	1.0
90.000	24.2559	0.07667	1.2E 00	1.230E 00	1.092E 00	1.088E 00	-2.284E-01	-2.437E-01	3.0	1.0
91.000	24.0324	0.07663	1.4E 00	2.641E 00	1.085E 00	1.087E 00	-2.576E-01	-2.898E-01	3.0	1.0
91.200	23.9846	0.01534	1.3E 00	1.996E 00	1.080E 00	1.086E 00	-2.618E-01	-2.946E-01	2.0	1.0
91.400	23.9360	0.01535	1.3E 00	1.845E 00	1.078E 00	1.085E 00	-2.656E-01	-2.956E-01	2.0	1.0
91.600	23.8867	0.01537	1.3E 00	1.718E 00	1.076E 00	1.084E 00	-2.690E-01	-2.966E-01	2.0	1.0
91.800	23.8367	0.01538	1.3E 00	1.610E 00	1.074E 00	1.083E 00	-2.722E-01	-2.977E-01	2.0	1.0
92.000	23.7862	0.01540	1.3E 00	1.520E 00	1.072E 00	1.082E 00	-2.751E-01	-2.987E-01	2.0	1.0
92.200	23.7351	0.01541	1.2E 00	1.445E 00	1.071E 00	1.081E 00	-2.778E-01	-2.998E-01	2.0	1.0
92.400	23.6834	0.01543	1.2E 00	1.382E 00	1.069E 00	1.079E 00	-2.803E-01	-3.009E-01	2.0	1.0
92.600	23.6312	0.01545	1.2E 00	1.330E 00	1.067E 00	1.078E 00	-2.826E-01	-3.020E-01	2.0	1.0
92.800	23.5781	0.01547	1.4E 00	3.049E 00	1.064E 00	1.076E 00	-2.894E-01	-3.387E-01	2.0	1.0
93.000	23.5237	0.01550	1.4E 00	2.800E 00	1.061E 00	1.075E 00	-2.955E-01	-3.402E-01	2.0	1.0
93.200	23.4682	0.01552	1.4E 00	2.592E 00	1.058E 00	1.073E 00	-3.009E-01	-3.417E-01	2.0	1.0
93.400	23.4115	0.01555	1.3E 00	2.420E 00	1.055E 00	1.071E 00	-3.059E-01	-3.433E-01	2.0	1.0
93.600	23.3539	0.01558	1.3E 00	2.277E 00	1.052E 00	1.069E 00	-3.105E-01	-3.449E-01	2.0	1.0
93.800	23.2951	0.01561	1.4E 00	2.926E 00	1.049E 00	1.066E 00	-3.167E-01	-3.623E-01	2.0	1.0
94.000	23.2351	0.01565	1.4E 00	2.733E 00	1.046E 00	1.064E 00	-3.224E-01	-3.642E-01	2.0	1.0
94.200	23.1739	0.01569	1.4E 00	2.573E 00	1.042E 00	1.061E 00	-3.276E-01	-3.661E-01	2.0	1.0
94.400	23.1116	0.01573	1.4E 00	2.800E 00	1.038E 00	1.058E 00	-3.334E-01	-3.755E-01	2.0	1.0
94.600	23.0479	0.01577	1.4E 00	2.905E 00	1.034E 00	1.055E 00	-3.395E-01	-3.829E-01	2.0	1.0
94.800	22.9829	0.01581	1.4E 00	3.025E 00	1.030E 00	1.052E 00	-3.458E-01	-3.910E-01	2.0	1.0
95.000	22.9166	0.01582	1.4E 00	2.905E 00	1.068E 00	1.054E 00	-3.523E-01	-3.987E-01	2.0	1.0
95.200	22.8492	0.01580	1.4E 00	2.649E 00	1.062E 00	1.055E 00	-3.583E-01	-4.018E-01	2.0	1.0
95.400	22.7807	0.01579	1.4E 00	2.890E 00	1.057E 00	1.055E 00	-3.650E-01	-4.130E-01	2.0	1.0
95.600	22.7109	0.01580	1.4E 00	2.725E 00	1.051E 00	1.055E 00	-3.712E-01	-4.164E-01	2.0	1.0
95.800	22.6398	0.01581	1.4E 00	3.178E 00	1.045E 00	1.054E 00	-3.786E-01	-4.307E-01	2.0	1.0
96.000	22.5672	0.01583	1.4E 00	3.051E 00	1.038E 00	1.052E 00	-3.855E-01	-4.344E-01	2.0	1.0
96.200	22.4932	0.01587	1.4E 00	2.971E 00	1.032E 00	1.049E 00	-3.920E-01	-4.383E-01	2.0	1.0
96.400	22.4176	0.01591	1.5E 00	3.746E 00	1.024E 00	1.046E 00	-4.005E-01	-4.586E-01	2.0	1.0
96.600	22.3401	0.01596	1.4E 00	3.635E 00	1.017E 00	1.042E 00	-4.086E-01	-4.631E-01	2.0	1.0
96.800	22.2608	0.01602	1.4E 00	3.562E 00	1.009E 00	1.038E 00	-4.162E-01	-4.677E-01	2.0	1.0
97.000	22.1797	0.01609	1.4E 00	3.519E 00	1.002E 00	1.033E 00	-4.234E-01	-4.724E-01	2.0	1.0
97.200	22.0969	0.01617	1.4E 00	3.495E 00	9.943E-01	1.028E 00	-4.303E-01	-4.772E-01	2.0	1.0
97.400	22.0120	0.01625	1.5E 00	4.456E 00	9.847E-01	1.022E 00	-4.402E-01	-5.028E-01	3.0	1.0
97.600	21.9247	0.01635	1.5E 00	4.357E 00	9.758E-01	1.016E 00	-4.495E-01	-5.086E-01	3.0	1.0
97.800	21.8351	0.01646	1.5E 00	4.260E 00	9.669E-01	1.009E 00	-4.583E-01	-5.145E-01	2.0	1.0
98.000	21.7431	0.01657	1.5E 00	4.219E 00	9.580E-01	1.002E 00	-4.668E-01	-5.205E-01	2.0	1.0
98.200	21.6488	0.01669	1.5E 00	4.193E 00	9.491E-01	9.951E-01	-4.750E-01	-5.268E-01	2.0	1.0
98.400	21.5519	0.01682	1.5E 00	4.908E 00	9.382E-01	9.870E-01	-4.857E-01	-5.493E-01	3.0	1.0
98.600	21.4520	0.01696	1.5E 00	4.834E 00	9.280E-01	9.785E-01	-4.959E-01	-5.566E-01	3.0	1.0
98.800	21.3492	0.01711	1.5E 00	4.782E 00	9.178E-01	9.697E-01	-5.058E-01	-5.640E-01	3.0	1.0
99.000	21.2434	0.01727	1.5E 00	4.745E 00	9.076E-01	9.607E-01	-5.154E-01	-5.717E-01	3.0	1.0
99.200	21.1346	0.01743	1.5E 00	4.683E 00	8.974E-01	9.515E-01	-5.248E-01	-5.796E-01	2.0	1.0
99.400	21.0226	0.01761	1.5E 00	4.900E 00	8.863E-01	9.418E-01	-5.348E-01	-5.921E-01	3.0	1.0
99.600	20.9074	0.01779	1.5E 00	4.886E 00	8.755E-01	9.318E-01	-5.448E-01	-6.008E-01	3.0	1.0
99.800	20.7886	0.01800	1.6E 00	5.342E 00	8.544E-01	9.198E-01	-5.553E-01	-6.121E-01	3.0	1.0
100.000	20.6657	0.01825	1.6E 00	5.646E 00	8.374E-01	9.067E-01	-5.665E-01	-6.260E-01	3.0	1.0
100.200	20.5384	0.01853	1.6E 00	5.894E 00	8.204E-01	8.927E-01	-5.786E-01	-6.404E-01	3.0	1.0
100.400	20.4064	0.01883	1.6E 00	5.932E 00	8.028E-01	8.778E-01	-5.903E-01	-6.496E-01	3.0	1.0
100.600	20.2692	0.01916	1.6E 00	6.148E 00	7.855E-01	8.622E-01	-6.031E-01	-6.652E-01	3.0	1.0
100.800	20.1267	0.01951	1.6E 00	5.911E 00	7.683E-01	8.462E-01	-6.142E-01	-6.684E-01	3.0	1.0
101.000	19.9786	0.01989	1.6E 00	6.111E 00	7.511E-01	8.295E-01	-6.267E-01	-6.851E-01	3.0	1.0
101.200	19.8234	0.02040	1.7E 00	7.790E 00	6.978E-01	8.046E-01	-6.412E-01	-7.032E-01	3.0	1.0
101.400	19.6601	0.02103	1.7E 00	7.243E 00	6.768E-01	7.802E-01	-6.530E-01	-7.027E-01	3.0	1.0
101.600	19.4881	0.02171	1.7E 00	7.364E 00	6.554E-01	7.555E-01	-6.675E-01	-7.262E-01	3.0	1.0
101.800	19.3056	0.02258	1.8E 00	8.667E 00	5.936E-01	7.210E-01	-6.797E-01	-7.248E-01	3.0	1.0
102.000	19.1108	0.02366	1.7E 00	8.171E 00	5.704E-01	6.881E-01	-6.931E-01	-7.405E-01	3.0	1.0
102.200	18.9028	0.02478	1.7E 00	7.528E 00	5.490E-01	6.570E-01	-7.057E-01	-7.495E-01	3.0	1.0
102.400	18.6776	0.02634	1.8E 00	9.869E 00	4.639E-01	6.083E-01	-7.188E-01	-7.575E-01	3.0	1.0
102.600	18.4303	0.02840	1.8E 00	8.554E 00	4.425E-01	5.652E-01	-7.326E-01	-7.717E-01	3.0	1.0
102.800	18.1537	0.03142	1.9E 00	1.104E 01	3.350E-01	4.957E-01	-7.344E-01	-7.383E-01	3.0	1.0
103.000	17.8365	0.03568	1.8E 00	8.772E 00	3.158E-01	4.386E-01	-7.477E-01	-7.763E-01	3.0	1.0
103.049	17.7500	0.00962	1.9E 00	1.173E 01	2.211E-01	4.157E-01	-7.505E-01	-7.743E-01	7.0	-1.0
103.177	17.5000	0.02808	2.0E 00	1.311E 01	1.514E-01	3.399E-01	-7.334E-01	-8.907E-01	3.0	-1.0

103.280	17.2500	0.02857	2.0E 00	1.299E 01	7.249E-02	2.622E-01	-7.248E-01	-7.037E-01	3.0	-1.0
103.356	17.0000	0.02882	2.0E 00	1.325E 01	-1.256E-02	1.813E-01	-7.210E-01	-7.115E-01	3.0	-1.0
103.405	16.7500	0.02895	2.0E 00	1.372E 01	-1.042E-01	9.613E-02	-7.181E-01	-7.113E-01	3.0	-1.0
103.422	16.5000	0.02913	2.1E 00	1.438E 01	-2.034E-01	5.133E-03	-7.124E-01	-6.990E-01	3.0	-1.0
103.407	16.2500	0.02953	2.1E 00	1.529E 01	-3.129E-01	-9.427E-02	-6.989E-01	-6.690E-01	3.0	-1.0
103.351	16.0000	0.03042	2.2E 00	1.672E 01	-4.382E-01	-2.074E-01	-6.709E-01	-6.138E-01	4.0	-1.0
103.271	15.8000	0.02560	2.3E 00	1.896E 01	-5.777E-01	-3.166E-01	-6.313E-01	-5.366E-01	3.0	-1.0
103.142	15.6000	0.02781	2.4E 00	2.171E 01	-7.343E-01	-4.544E-01	-5.674E-01	-4.373E-01	3.0	-1.0
102.933	15.4000	0.03209	2.5E 00	2.401E 01	-9.163E-01	-6.313E-01	-4.713E-01	-3.164E-01	4.0	-1.0
102.733	15.2751	0.02216	2.9E 00	3.563E 01	-1.383E 00	-8.731E-01	-4.684E-01	-4.621E-01	7.0	1.0
102.533	15.1743	0.01690	3.1E 00	4.193E 01	-1.706E 00	-1.099E 00	-5.253E-01	-6.780E-01	3.0	1.0

-0.		27.62500		1.00000	-0.					
XNN1	YNN1	DTH	CK	REN	VDX	VDXNN1	VDYNN1	VOY	XKT	DIRECT
1.000	27.6241	0.08339	1.1E 00	2.370E-01	9.963E-01	9.985E-01	-1.856E-03	-4.486E-03	2.0	1.0
2.000	27.6214	0.08350	1.1E 00	1.874E-01	9.965E-01	9.975E-01	-3.400E-03	-4.486E-03	1.0	1.0
3.000	27.6177	0.08356	1.0E 00	7.257E-02	9.968E-01	9.971E-01	-4.107E-03	-4.486E-03	1.0	1.0
4.000	27.6134	0.08358	1.0E 00	2.171E-02	9.970E-01	9.971E-01	-4.446E-03	-4.485E-03	1.0	1.0
5.000	27.6088	0.08357	1.0E 00	1.304E-02	9.973E-01	9.972E-01	-4.613E-03	-4.485E-03	1.0	1.0
6.000	27.6041	0.08356	1.0E 00	2.204E-02	9.976E-01	9.974E-01	-4.801E-03	-4.693E-03	1.0	1.0
7.000	27.5993	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.840E-03	-4.693E-03	1.0	1.0
8.000	27.5944	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.840E-03	-4.692E-03	1.0	1.0
9.000	27.5896	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.840E-03	-4.692E-03	1.0	1.0
10.000	27.5847	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.840E-03	-4.691E-03	1.0	1.0
11.000	27.5797	0.08345	1.0E 00	3.494E-02	9.990E-01	9.987E-01	-5.132E-03	-5.125E-03	1.0	1.0
12.000	27.5745	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.272E-03	-5.125E-03	1.0	1.0
13.000	27.5693	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.272E-03	-5.124E-03	1.0	1.0
14.000	27.5640	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.272E-03	-5.123E-03	1.0	1.0
15.000	27.5587	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.272E-03	-5.123E-03	1.0	1.0
16.000	27.5532	0.08333	1.0E 00	4.561E-02	1.000E 00	1.000E 00	-5.692E-03	-5.808E-03	1.0	1.0
17.000	27.5474	0.08331	1.0E 00	3.612E-02	1.001E 00	1.000E 00	-5.897E-03	-5.807E-03	1.0	1.0
18.000	27.5415	0.08328	1.0E 00	3.667E-02	1.001E 00	1.001E 00	-5.953E-03	-5.807E-03	1.0	1.0
19.000	27.5356	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-5.953E-03	-5.806E-03	1.0	1.0
20.000	27.5296	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.953E-03	-5.805E-03	1.0	1.0
21.000	27.5234	0.08320	1.0E 00	6.073E-02	1.002E 00	1.002E 00	-6.526E-03	-6.787E-03	1.0	1.0
22.000	27.5167	0.08317	1.0E 00	4.291E-02	1.003E 00	1.002E 00	-6.805E-03	-6.786E-03	1.0	1.0
23.000	27.5099	0.08314	1.0E 00	4.144E-02	1.003E 00	1.003E 00	-6.931E-03	-6.785E-03	1.0	1.0
24.000	27.5030	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.931E-03	-6.784E-03	1.0	1.0
25.000	27.4961	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.931E-03	-6.783E-03	1.0	1.0
26.000	27.4888	0.08304	1.0E 00	8.079E-02	1.004E 00	1.004E 00	-7.693E-03	-8.128E-03	1.0	1.0
27.000	27.4809	0.08301	1.0E 00	5.281E-02	1.005E 00	1.004E 00	-8.060E-03	-8.127E-03	1.0	1.0
28.000	27.4728	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.239E-03	-8.126E-03	1.0	1.0
29.000	27.4646	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.270E-03	-8.124E-03	1.0	1.0
30.000	27.4564	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.270E-03	-8.123E-03	1.0	1.0
31.000	27.4477	0.08286	1.0E 00	1.071E-01	1.006E 00	1.006E 00	-9.273E-03	-9.928E-03	1.0	1.0
32.000	27.4382	0.08282	1.0E 00	6.636E-02	1.007E 00	1.006E 00	-9.753E-03	-9.926E-03	1.0	1.0
33.000	27.4284	0.08278	1.0E 00	5.787E-02	1.007E 00	1.007E 00	-9.986E-03	-9.925E-03	1.0	1.0
34.000	27.4184	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.007E-02	-9.923E-03	1.0	1.0
35.000	27.4085	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.007E-02	-9.921E-03	1.0	1.0
36.000	27.3980	0.08265	1.0E 00	1.096E-01	1.009E 00	1.008E 00	-1.111E-02	-1.232E-02	3.0	1.0
37.000	27.3866	0.08261	1.0E 00	7.723E-02	1.010E 00	1.009E 00	-1.172E-02	-1.232E-02	3.0	1.0
38.000	27.3749	0.08257	1.0E 00	6.252E-02	1.010E 00	1.010E 00	-1.205E-02	-1.232E-02	2.0	1.0
39.000	27.3628	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.226E-02	-1.232E-02	2.0	1.0
40.000	27.3506	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.243E-02	-1.231E-02	1.0	1.0
41.000	27.3376	0.08241	1.1E 00	1.498E-01	1.012E 00	1.011E 00	-1.382E-02	-1.551E-02	3.0	1.0
42.000	27.3236	0.08236	1.0E 00	1.033E-01	1.013E 00	1.012E 00	-1.462E-02	-1.550E-02	3.0	1.0
43.000	27.3089	0.08231	1.0E 00	7.998E-02	1.014E 00	1.013E 00	-1.506E-02	-1.550E-02	2.0	1.0
44.000	27.2939	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.533E-02	-1.550E-02	2.0	1.0
45.000	27.2787	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.550E-02	-1.549E-02	2.0	1.0
46.000	27.2625	0.08213	1.1E 00	2.079E-01	1.016E 00	1.015E 00	-1.738E-02	-1.975E-02	3.0	1.0
47.000	27.2448	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.847E-02	-1.974E-02	3.0	1.0
48.000	27.2264	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.910E-02	-1.974E-02	3.0	1.0
49.000	27.2074	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.945E-02	-1.974E-02	2.0	1.0
50.000	27.1882	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.966E-02	-1.973E-02	2.0	1.0
51.000	27.1677	0.08177	1.1E 00	2.773E-01	1.021E 00	1.020E 00	-2.219E-02	-2.544E-02	3.0	1.0
52.000	27.1452	0.08169	1.1E 00	1.822E-01	1.022E 00	1.021E 00	-2.364E-02	-2.543E-02	3.0	1.0
53.000	27.1216	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.449E-02	-2.543E-02	3.0	1.0

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-2.219E-02	-2.544E-02	3.0	1.0
52.000	27.1452	0.08169	1.1E 00	1.822E-01	1.022E 00	1.021E 00	-2.364E-02	-2.543E-02	3.0	1.0
53.000	27.1216	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.449E-02	-2.543E-02	3.0	1.0
54.000	27.0975	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.495E-02	-2.543E-02	2.0	1.0
55.000	27.0729	0.08144	1.1E 00	1.172E-01	1.026E 00	1.024E 00	-2.523E-02	-2.542E-02	2.0	1.0
56.000	27.0466	0.08135	1.1E 00	3.729E-01	1.027E 00	1.025E 00	-2.869E-02	-3.314E-02	3.0	1.0
57.000	27.0177	0.08125	1.1E 00	2.383E-01	1.028E 00	1.026E 00	-3.064E-02	-3.314E-02	3.0	1.0
58.000	26.9873	0.08115	1.1E 00	1.764E-01	1.029E 00	1.028E 00	-3.178E-02	-3.314E-02	3.0	1.0
59.000	26.9561	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.244E-02	-3.313E-02	3.0	1.0
60.000	26.9244	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.281E-02	-3.313E-02	2.0	1.0
61.000	26.8902	0.08085	1.1E 00	5.035E-01	1.033E 00	1.031E 00	-3.756E-02	-4.369E-02	3.0	1.0
62.000	26.8526	0.08073	1.1E 00	3.124E-01	1.035E 00	1.033E 00	-4.023E-02	-4.369E-02	3.0	1.0
63.000	26.8129	0.08062	1.1E 00	2.208E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	1.0
64.000	26.7721	0.08051	1.1E 00	1.834E-01	1.038E 00	1.036E 00	-4.266E-02	-4.370E-02	3.0	1.0
65.000	26.7307	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.316E-02	-4.370E-02	2.0	1.0
66.000	26.6859	0.08028	1.2E 00	6.897E-01	1.041E 00	1.039E 00	-4.983E-02	-5.832E-02	3.0	1.0
67.000	26.6362	0.08015	1.1E 00	4.147E-01	1.043E 00	1.041E 00	-5.351E-02	-5.834E-02	3.0	1.0
68.000	26.5838	0.08002	1.1E 00	2.777E-01	1.044E 00	1.042E 00	-5.562E-02	-5.836E-02	3.0	1.0
69.000	26.5299	0.07990	1.1E 00	2.166E-01	1.046E 00	1.044E 00	-5.686E-02	-5.839E-02	3.0	1.0
70.000	26.4751	0.07977	1.1E 00	1.940E-01	1.048E 00	1.045E 00	-5.760E-02	-5.841E-02	3.0	1.0
71.000	26.4155	0.07964	1.2E 00	9.534E-01	1.050E 00	1.047E 00	-6.710E-02	-7.894E-02	3.0	1.0
72.000	26.3490	0.07951	1.1E 00	5.550E-01	1.051E 00	1.049E 00	-7.226E-02	-7.901E-02	3.0	1.0
73.000	26.2788	0.07939	1.1E 00	3.499E-01	1.053E 00	1.051E 00	-7.519E-02	-7.909E-02	3.0	1.0
74.000	26.2065	0.07927	1.1E 00	2.498E-01	1.054E 00	1.052E 00	-7.692E-02	-7.917E-02	3.0	1.0
75.000	26.1329	0.07915	1.1E 00	2.066E-01	1.056E 00	1.054E 00	-7.797E-02	-7.926E-02	3.0	1.0
76.000	26.0524	0.07902	1.2E 00	1.343E 00	1.057E 00	1.055E 00	-9.184E-02	-1.085E-01	3.0	1.0
77.000	25.9620	0.07891	1.2E 00	7.592E-01	1.059E 00	1.057E 00	-9.921E-02	-1.087E-01	3.0	1.0
78.000	25.8662	0.07881	1.1E 00	4.540E-01	1.060E 00	1.058E 00	-1.034E-01	-1.090E-01	3.0	1.0
79.000	25.7673	0.07872	1.1E 00	2.913E-01	1.061E 00	1.059E 00	-1.059E-01	-1.072E-01	3.0	1.0
80.000	25.6667	0.07863	1.1E 00	2.069E-01	1.062E 00	1.060E 00	-1.074E-01	-1.095E-01	3.0	1.0
81.000	25.5582	0.07855	1.3E 00	1.481E 00	1.063E 00	1.061E 00	-1.229E-01	-1.413E-01	3.0	1.0
82.000	25.4385	0.07848	1.2E 00	8.392E-01	1.063E 00	1.062E 00	-1.312E-01	-1.419E-01	3.0	1.0
83.000	25.3128	0.07845	1.1E 00	5.014E-01	1.063E 00	1.062E 00	-1.360E-01	-1.424E-01	3.0	1.0
84.000	25.1779	0.07845	1.2E 00	1.420E 00	1.062E 00	1.062E 00	-1.507E-01	-1.685E-01	3.0	1.0
85.000	25.0321	0.07848	1.2E 00	8.273E-01	1.061E 00	1.061E 00	-1.589E-01	-1.694E-01	3.0	1.0
86.000	24.8731	0.07855	1.3E 00	1.822E 00	1.059E 00	1.060E 00	-1.784E-01	-2.009E-01	3.0	1.0
87.000	24.7010	0.07793	1.3E 00	2.001E 00	1.100E 00	1.079E 00	-1.896E-01	-2.024E-01	3.0	1.0
88.000	24.5230	0.07695	1.2E 00	1.107E 00	1.099E 00	1.087E 00	-1.960E-01	-2.040E-01	3.0	1.0
89.000	24.3331	0.07650	1.3E 00	2.063E 00	1.095E 00	1.091E 00	-2.176E-01	-2.428E-01	3.0	1.0
90.000	24.1281	0.07637	1.2E 00	1.231E 00	1.092E 00	1.091E 00	-2.299E-01	-2.455E-01	3.0	1.0
91.000	23.9035	0.07647	1.4E 00	2.705E 00	1.085E 00	1.088E 00	-2.597E-01	-2.925E-01	3.0	1.0
91.200	23.8554	0.01532	1.3E 00	2.048E 00	1.080E 00	1.087E 00	-2.640E-01	-2.973E-01	2.0	1.0
91.400	23.8064	0.01533	1.3E 00	1.894E 00	1.078E 00	1.086E 00	-2.678E-01	-2.983E-01	2.0	1.0
91.600	23.7568	0.01535	1.3E 00	1.764E 00	1.076E 00	1.085E 00	-2.713E-01	-2.994E-01	2.0	1.0
91.800	23.7064	0.01537	1.3E 00	1.654E 00	1.074E 00	1.084E 00	-2.745E-01	-3.005E-01	2.0	1.0
92.000	23.6555	0.01538	1.3E 00	1.561E 00	1.072E 00	1.083E 00	-2.775E-01	-3.015E-01	2.0	1.0
92.200	23.6039	0.01540	1.3E 00	1.483E 00	1.071E 00	1.081E 00	-2.802E-01	-3.026E-01	2.0	1.0
92.400	23.5519	0.01542	1.2E 00	1.417E 00	1.069E 00	1.080E 00	-2.828E-01	-3.037E-01	2.0	1.0
92.600	23.4992	0.01544	1.2E 00	1.362E 00	1.067E 00	1.079E 00	-2.852E-01	-3.048E-01	2.0	1.0
92.800	23.4457	0.01546	1.4E 00	3.132E 00	1.064E 00	1.077E 00	-2.922E-01	-3.424E-01	3.0	1.0
93.000	23.3908	0.01549	1.4E 00	2.858E 00	1.061E 00	1.075E 00	-2.984E-01	-3.439E-01	2.0	1.0
93.200	23.3347	0.01552	1.4E 00	2.644E 00	1.058E 00	1.073E 00	-3.039E-01	-3.455E-01	2.0	1.0
93.400	23.2775	0.01555	1.3E 00	2.465E 00	1.055E 00	1.071E 00	-3.090E-01	-3.471E-01	2.0	1.0
93.600	23.2193	0.01558	1.3E 00	2.317E 00	1.052E 00	1.069E 00	-3.136E-01	-3.487E-01	2.0	1.0
93.800	23.1600	0.01561	1.4E 00	2.983E 00	1.049E 00	1.066E 00	-3.201E-01	-3.666E-01	2.0	1.0
94.000	23.0993	0.01565	1.4E 00	2.782E 00	1.046E 00	1.064E 00	-3.259E-01	-3.684E-01	2.0	1.0
94.200	23.0375	0.01568	1.4E 00	2.617E 00	1.042E 00	1.061E 00	-3.312E-01	-3.704E-01	2.0	1.0
94.400	22.9744	0.01572	1.4E 00	2.849E 00	1.038E 00	1.059E 00	-3.371E-01	-3.800E-01	2.0	1.0
94.600	22.9102	0.01573	1.4E 00	2.855E 00	1.077E 00	1.061E 00	-3.433E-01	-3.878E-01	2.0	1.0
94.800	22.8449	0.01570	1.4E 00	2.883E 00	1.073E 00	1.062E 00	-3.498E-01	-3.966E-01	2.0	1.0
95.000	22.7785	0.01568	1.4E 00	2.932E 00	1.068E 00	1.063E 00	-3.565E-01	-4.051E-01	2.0	1.0
95.200	22.7108	0.01568	1.4E 00	2.726E 00	1.062E 00	1.063E 00	-3.627E-01	-4.081E-01	2.0	1.0
95.400	22.6419	0.01569	1.4E 00	3.030E 00	1.057E 00	1.062E 00	-3.697E-01	-4.198E-01	2.0	1.0
95.600	22.5716	0.01570	1.4E 00	2.883E 00	1.051E 00	1.061E 00	-3.762E-01	-4.232E-01	2.0	1.0
95.800	22.4999	0.01573	1.4E 00	3.365E 00	1.045E 00	1.059E 00	-3.839E-01	-4.380E-01	2.0	1.0
96.000	22.4266	0.01576	1.4E 00	3.236E 00	1.038E 00	1.056E 00	-3.911E-01	-4.418E-01	2.0	1.0
96.200	22.3518	0.01580	1.4E 00	3.148E 00	1.032E 00	1.053E 00	-3.979E-01	-4.457E-01	2.0	1.0
96.400	22.2753	0.01585	1.5E 00	3.966E 00	1.024E 00	1.049E 00	-4.069E-01	-4.670E-01	3.0	1.0
96.600	22.1968	0.01591	1.5E 00	3.811E 00	1.017E 00	1.045E 00	-4.152E-01	-4.716E-01	2.0	1.0

96.800	22.1164	0.01598	1.5E 00	3.722E 00	1.009E 00	1.041E 00	-4.231E-01	-4.762E-01	2.0	1.0
97.000	22.0342	0.01606	1.4E 00	3.662E 00	1.002E 00	1.036E 00	-4.305E-01	-4.810E-01	2.0	1.0
97.200	21.9501	0.01614	1.4E 00	3.623E 00	9.943E-01	1.030E 00	-4.377E-01	-4.859E-01	2.0	1.0
97.400	21.8639	0.01623	1.5E 00	4.620E 00	9.847E-01	1.024E 00	-4.480E-01	-5.127E-01	3.0	1.0
97.600	21.7751	0.01633	1.5E 00	4.500E 00	9.758E-01	1.017E 00	-4.577E-01	-5.186E-01	3.0	1.0
97.800	21.6840	0.01644	1.5E 00	4.383E 00	9.669E-01	1.011E 00	-4.668E-01	-5.246E-01	2.0	1.0
98.000	21.5904	0.01655	1.5E 00	4.326E 00	9.580E-01	1.003E 00	-4.755E-01	-5.308E-01	2.0	1.0
98.200	21.4944	0.01667	1.5E 00	4.287E 00	9.491E-01	9.959E-01	-4.840E-01	-5.371E-01	2.0	1.0
98.400	21.3957	0.01680	1.5E 00	5.038E 00	9.382E-01	9.876E-01	-4.951E-01	-5.609E-01	3.0	1.0
98.600	21.2939	0.01695	1.5E 00	4.946E 00	9.280E-01	9.790E-01	-5.057E-01	-5.682E-01	3.0	1.0
98.800	21.1891	0.01710	1.5E 00	4.879E 00	9.178E-01	9.701E-01	-5.159E-01	-5.759E-01	3.0	1.0
99.000	21.0812	0.01726	1.5E 00	4.830E 00	9.076E-01	9.610E-01	-5.258E-01	-5.837E-01	3.0	1.0
99.200	20.9702	0.01743	1.5E 00	4.757E 00	8.974E-01	9.517E-01	-5.355E-01	-5.918E-01	2.0	1.0
99.400	20.8560	0.01760	1.5E 00	4.982E 00	8.876E-01	9.421E-01	-5.460E-01	-6.060E-01	3.0	1.0
99.600	20.7383	0.01779	1.6E 00	5.296E 00	8.714E-01	9.313E-01	-5.572E-01	-6.189E-01	3.0	1.0
99.800	20.6166	0.01801	1.6E 00	5.581E 00	8.544E-01	9.193E-01	-5.689E-01	-6.319E-01	3.0	1.0
100.000	20.4905	0.01826	1.6E 00	5.847E 00	8.374E-01	9.061E-01	-5.813E-01	-6.462E-01	3.0	1.0
100.200	20.3598	0.01854	1.6E 00	6.067E 00	8.204E-01	8.921E-01	-5.944E-01	-6.609E-01	3.0	1.0
100.400	20.2239	0.01884	1.6E 00	6.084E 00	8.028E-01	8.773E-01	-6.071E-01	-6.708E-01	3.0	1.0
100.600	20.0827	0.01917	1.6E 00	6.285E 00	7.855E-01	8.616E-01	-6.207E-01	-6.869E-01	3.0	1.0
100.800	19.9359	0.01952	1.6E 00	6.011E 00	7.683E-01	8.456E-01	-6.327E-01	-6.903E-01	3.0	1.0
101.000	19.7825	0.01998	1.7E 00	7.539E 00	7.203E-01	8.225E-01	-6.469E-01	-7.098E-01	3.0	1.0
101.200	19.6209	0.02056	1.7E 00	7.734E 00	6.978E-01	7.988E-01	-6.632E-01	-7.326E-01	3.0	1.0
101.400	19.4507	0.02117	1.7E 00	7.144E 00	6.768E-01	7.754E-01	-6.764E-01	-7.318E-01	3.0	1.0
101.600	19.2701	0.02196	1.8E 00	8.964E 00	6.178E-01	7.424E-01	-6.935E-01	-7.576E-01	3.0	1.0
101.800	19.0773	0.02294	1.7E 00	8.221E 00	5.936E-01	7.107E-01	-7.077E-01	-7.599E-01	3.0	1.0
102.000	18.8716	0.02397	1.7E 00	7.846E 00	5.704E-01	6.799E-01	-7.227E-01	-7.759E-01	3.0	1.0
102.200	18.6489	0.02539	1.9E 00	1.007E 01	4.875E-01	6.327E-01	-7.388E-01	-7.884E-01	3.0	1.0
102.400	18.4047	0.02726	1.8E 00	8.843E 00	4.639E-01	5.900E-01	-7.540E-01	-7.989E-01	3.0	1.0
102.600	18.1298	0.03002	1.9E 00	1.174E 01	3.542E-01	5.205E-01	-7.724E-01	-8.161E-01	3.0	1.0
102.800	17.8155	0.03386	1.8E 00	8.884E 00	3.350E-01	4.639E-01	-7.746E-01	-7.796E-01	3.0	1.0
102.838	17.7500	0.00703	2.0E 00	1.270E 01	2.364E-01	4.458E-01	-7.790E-01	-8.298E-01	7.0	-1.0
102.968	17.5000	0.02667	2.0E 00	1.370E 01	1.644E-01	3.676E-01	-7.833E-01	-7.943E-01	3.0	-1.0
103.072	17.2500	0.02641	2.1E 00	1.434E 01	7.522E-02	2.859E-01	-7.946E-01	-8.237E-01	3.0	-1.0
103.149	17.0000	0.02661	2.1E 00	1.522E 01	-1.735E-02	1.992E-01	-7.709E-01	-7.115E-01	3.0	-1.0
103.200	16.7500	0.02733	2.1E 00	1.551E 01	-1.171E-01	1.062E-01	-7.534E-01	-7.113E-01	3.0	-1.0
103.218	16.5000	0.02796	2.2E 00	1.623E 01	-2.281E-01	4.701E-03	-7.369E-01	-6.990E-01	4.0	-1.0
103.200	16.2500	0.02869	2.2E 00	1.736E 01	-3.543E-01	-1.089E-01	-7.155E-01	-6.690E-01	3.0	-1.0
103.137	16.0000	0.02983	2.3E 00	1.916E 01	-5.038E-01	-2.419E-01	-6.813E-01	-6.138E-01	4.0	-1.0
103.044	15.8000	0.02528	2.4E 00	2.186E 01	-6.752E-01	-3.741E-01	-6.372E-01	-5.366E-01	3.0	-1.0
102.892	15.6000	0.02764	2.5E 00	2.504E 01	-8.704E-01	-5.446E-01	-5.686E-01	-4.373E-01	4.0	-1.0
102.659	15.4000	0.02943	2.6E 00	2.817E 01	-1.158E 00	-7.751E-01	-5.642E-01	-5.568E-01	4.0	-1.0
102.305	15.2000	0.03223	2.8E 00	3.135E 01	-1.440E 00	-1.053E 00	-4.700E-01	-3.390E-01	4.0	-1.0
102.105	15.1193	0.01173	5.2E 00	1.191E 02	-3.451E 00	-1.789E 00	-6.760E-01	-1.141E 00	7.0	1.0
101.905	15.0400	0.00781	6.0E 00	1.553E 02	-4.597E 00	-2.477E 00	-1.017E 00	-2.067E 00	3.0	1.0
101.705	14.8930	0.00676	8.3E 00	2.699E 02	-2.407E 00	-2.457E 00	-2.610E 00	-6.591E 00	4.0	1.0
101.701	14.8880	0.00016	1.1E 01	4.013E 02	6.971E-01	-2.426E 00	-2.673E 00	-9.015E 00	6.0	-1.0
101.641	14.8000	0.00237	1.1E 01	4.086E 02	2.445E 00	-1.741E 00	-3.526E 00	-8.740E 00	3.0	-1.0
101.602	14.7000	0.00226	9.0E 00	3.103E 02	3.405E 00	-1.151E 00	-3.840E 00	-6.260E 00	3.0	-1.0
101.580	14.6000	0.00212	8.6E 00	2.892E 02	3.887E 00	-6.306E-01	-4.040E 00	-5.780E 00	3.0	-1.0
101.576	14.5000	0.00203	8.2E 00	2.659E 02	4.166E 00	-1.761E-01	-4.153E 00	-5.227E 00	3.0	-1.0
101.588	14.2500	0.00499	7.7E 00	2.401E 02	4.558E 00	7.988E-01	-4.194E 00	-4.354E 00	4.0	-1.0
101.660	14.0000	0.00507	7.1E 00	2.079E 02	4.782E 00	1.569E 00	-4.028E 00	-3.335E 00	3.0	-1.0
101.860	13.6148	0.00828	6.3E 00	1.701E 02	4.864E 00	2.457E 00	-3.726E 00	-2.908E 00	8.0	1.0
102.060	13.3522	0.00612	6.0E 00	1.572E 02	5.150E 00	2.991E 00	-3.426E 00	-2.214E 00	3.0	1.0
102.260	13.1469	0.00522	6.0E 00	1.533E 02	5.393E 00	3.398E 00	-3.131E 00	-1.686E 00	3.0	1.0
102.460	12.9792	0.00468	5.9E 00	1.500E 02	5.555E 00	3.725E 00	-2.843E 00	-1.232E 00	3.0	1.0
102.660	12.8342	0.00442	4.9E 00	1.062E 02	4.424E 00	3.810E 00	-2.617E 00	-9.683E-01	3.0	1.0
102.860	12.7039	0.00433	4.8E 00	1.041E 02	4.481E 00	3.888E 00	-2.401E 00	-7.779E-01	3.0	1.0
103.060	12.5867	0.00425	4.8E 00	1.015E 02	4.527E 00	3.961E 00	-2.197E 00	-6.055E-01	3.0	1.0
103.260	12.4819	0.00417	4.8E 00	1.033E 02	4.557E 00	4.028E 00	-1.989E 00	-3.527E-01	3.0	1.0
103.460	12.3882	0.00411	4.6E 00	9.303E 01	4.584E 00	4.087E 00	-1.815E 00	-3.412E-01	3.0	1.0
103.660	12.3035	0.00405	4.3E 00	8.446E 01	4.611E 00	4.139E 00	-1.667E 00	-3.310E-01	3.0	1.0
103.860	12.2273	0.00400	4.5E 00	8.945E 01	4.614E 00	4.187E 00	-1.505E 00	-6.834E-02	3.0	1.0
104.060	12.1591	0.00396	4.2E 00	8.094E 01	4.623E 00	4.229E 00	-1.368E 00	-6.536E-02	3.0	1.0
104.260	12.0983	0.00392	4.4E 00	8.828E 01	4.618E 00	4.267E 00	-1.211E 00	2.289E-01	3.0	1.0

104.460	12.0449	0.00389	4.2E 00	7.965E 01	4.611E 00	4.299E 00	-1.077E 00	2.277E-01	3.0	1.0
104.660	12.0377	0.00386	4.0E 00	7.226E 01	4.603E 00	4.326E 00	-9.617E-01	2.266E-01	3.0	1.0
104.860	12.0556	0.00384	3.8E 00	6.588E 01	4.595E 00	4.349E 00	-8.618E-01	2.256E-01	3.0	1.0
105.060	11.9181	0.00382	3.7E 00	6.031E 01	4.587E 00	4.368E 00	-7.744E-01	2.248E-01	3.0	1.0
105.260	11.8851	0.00381	3.9E 00	6.725E 01	4.576E 00	4.385E 00	-6.712E-01	4.508E-01	3.0	1.0
105.460	11.8566	0.00379	3.7E 00	6.157E 01	4.565E 00	4.400E 00	-5.809E-01	4.501E-01	3.0	1.0
105.660	11.8320	0.00378	3.6E 00	5.658E 01	4.553E 00	4.412E 00	-5.012E-01	4.496E-01	3.0	1.0
105.860	11.8109	0.00377	3.4E 00	5.217E 01	4.542E 00	4.421E 00	-4.305E-01	4.491E-01	3.0	1.0
106.060	11.7929	0.00377	3.3E 00	4.825E 01	4.530E 00	4.429E 00	-3.674E-01	4.487E-01	3.0	1.0
106.260	11.7781	0.00376	3.6E 00	5.647E 01	4.523E 00	4.436E 00	-2.879E-01	6.678E-01	3.0	1.0
106.460	11.7667	0.00375	3.4E 00	5.220E 01	4.517E 00	4.442E 00	-2.171E-01	6.682E-01	3.0	1.0
106.660	11.7584	0.00375	3.3E 00	4.839E 01	4.511E 00	4.447E 00	-1.538E-01	6.685E-01	3.0	1.0
106.860	11.7527	0.00375	3.2E 00	4.497E 01	4.505E 00	4.451E 00	-9.686E-02	6.687E-01	3.0	1.0
107.060	11.7495	0.00374	3.1E 00	4.189E 01	4.500E 00	4.455E 00	-4.548E-02	6.689E-01	3.0	1.0
107.260	11.7485	0.00374	3.0E 00	3.910E 01	4.494E 00	4.457E 00	1.059E-03	6.689E-01	3.0	1.0
107.460	11.7496	0.00374	3.0E 00	3.777E 01	4.488E 00	4.459E 00	4.534E-02	6.690E-01	1.0	1.0
107.660	11.7525	0.00374	2.9E 00	3.416E 01	4.482E 00	4.461E 00	8.374E-02	6.689E-01	3.0	1.0
107.860	11.7570	0.00374	2.8E 00	3.207E 01	4.476E 00	4.461E 00	1.188E-01	6.689E-01	3.0	1.0
108.060	11.7631	0.00374	2.7E 00	3.016E 01	4.470E 00	4.462E 00	1.510E-01	6.688E-01	3.0	1.0
108.260	11.7708	0.00373	3.0E 00	3.769E 01	4.473E 00	4.463E 00	1.952E-01	8.403E-01	3.0	1.0
108.460	11.7805	0.00373	2.9E 00	3.527E 01	4.478E 00	4.464E 00	2.354E-01	8.395E-01	3.0	1.0
108.660	11.7918	0.00373	2.8E 00	3.306E 01	4.483E 00	4.465E 00	2.720E-01	8.386E-01	3.0	1.0
108.860	11.8048	0.00373	2.7E 00	3.103E 01	4.488E 00	4.466E 00	3.054E-01	8.376E-01	3.0	1.0
109.060	11.8191	0.00373	2.7E 00	2.916E 01	4.494E 00	4.468E 00	3.361E-01	8.363E-01	3.0	1.0
109.260	11.8348	0.00373	2.6E 00	2.744E 01	4.499E 00	4.470E 00	3.642E-01	8.350E-01	3.0	1.0
109.460	11.8517	0.00373	2.6E 00	2.585E 01	4.504E 00	4.471E 00	3.900E-01	8.335E-01	3.0	1.0
109.660	11.8696	0.00373	2.5E 00	2.438E 01	4.509E 00	4.473E 00	4.138E-01	8.319E-01	3.0	1.0
109.860	11.8886	0.00372	2.4E 00	2.301E 01	4.515E 00	4.476E 00	4.357E-01	8.302E-01	3.0	1.0
110.060	11.9085	0.00372	2.4E 00	2.173E 01	4.520E 00	4.478E 00	4.560E-01	8.284E-01	2.0	1.0
111.060	12.0283	0.01855	2.7E 00	3.109E 01	4.592E 00	4.508E 00	6.201E-01	1.080E 00	3.0	1.0
112.060	12.1765	0.01838	2.5E 00	2.398E 01	4.718E 00	4.558E 00	7.237E-01	1.054E 00	3.0	1.0
113.060	12.3415	0.01815	2.3E 00	2.074E 01	4.845E 00	4.623E 00	7.908E-01	1.022E 00	3.0	1.0
114.060	12.5158	0.01788	2.3E 00	2.010E 01	4.971E 00	4.699E 00	8.334E-01	9.866E-01	3.0	1.0
115.060	12.6942	0.01757	2.4E 00	2.086E 01	5.098E 00	4.786E 00	8.591E-01	9.492E-01	3.0	1.0
116.060	12.8731	0.01724	2.4E 00	2.215E 01	5.224E 00	4.883E 00	8.704E-01	9.108E-01	3.0	1.0
117.060	13.0456	0.01689	2.5E 00	2.500E 01	5.350E 00	4.988E 00	8.317E-01	6.981E-01	3.0	1.0
118.060	13.2076	0.01658	2.4E 00	2.095E 01	5.367E 00	5.067E 00	7.973E-01	6.667E-01	3.0	1.0
119.060	13.3606	0.01632	2.4E 00	2.128E 01	5.458E 00	5.148E 00	7.658E-01	6.447E-01	3.0	1.0
120.060	13.5054	0.01606	2.4E 00	2.159E 01	5.549E 00	5.230E 00	7.367E-01	6.239E-01	3.0	1.0
121.060	13.6330	0.01582	2.8E 00	3.235E 01	5.568E 00	5.308E 00	6.083E-01	1.841E-01	3.0	1.0
122.060	13.7389	0.01563	2.5E 00	2.411E 01	5.531E 00	5.354E 00	5.210E-01	1.871E-01	3.0	1.0
123.060	13.8302	0.01553	2.2E 00	1.838E 01	5.493E 00	5.380E 00	4.587E-01	1.896E-01	3.0	1.0
124.060	13.9110	0.01547	2.1E 00	1.430E 01	5.456E 00	5.393E 00	4.123E-01	1.918E-01	3.0	1.0
125.060	13.9822	0.01544	2.2E 00	1.623E 01	5.420E 00	5.398E 00	3.557E-01	9.773E-02	3.0	1.0
126.060	14.0441	0.01544	2.0E 00	1.325E 01	5.386E 00	5.396E 00	3.123E-01	9.968E-02	3.0	1.0
127.060	14.0988	0.01545	1.9E 00	1.128E 01	5.344E 00	5.388E 00	2.781E-01	1.013E-01	3.0	1.0
128.060	14.1480	0.01548	1.8E 00	9.963E 00	5.311E 00	5.376E 00	2.506E-01	1.027E-01	3.0	1.0
129.060	14.1926	0.01552	1.8E 00	9.182E 00	5.278E 00	5.361E 00	2.281E-01	1.040E-01	3.0	1.0
130.060	14.2334	0.01557	1.8E 00	8.802E 00	5.245E 00	5.343E 00	2.093E-01	1.051E-01	3.0	1.0
131.060	14.2712	0.01562	1.8E 00	8.695E 00	5.212E 00	5.323E 00	1.935E-01	1.062E-01	3.0	1.0
132.060	14.3064	0.01569	1.8E 00	8.833E 00	5.178E 00	5.301E 00	1.802E-01	1.071E-01	3.0	1.0
133.060	14.3385	0.01576	1.9E 00	1.006E 01	5.153E 00	5.277E 00	1.602E-01	5.490E-02	3.0	1.0
134.060	14.3674	0.01582	1.8E 00	9.178E 00	5.136E 00	5.255E 00	1.438E-01	5.534E-02	3.0	1.0
135.060	14.3935	0.01589	1.8E 00	8.498E 00	5.118E 00	5.234E 00	1.302E-01	5.574E-02	3.0	1.0
136.060	14.4174	0.01595	1.7E 00	7.979E 00	5.100E 00	5.214E 00	1.189E-01	5.610E-02	3.0	1.0
137.060	14.4393	0.01601	1.7E 00	7.582E 00	5.083E 00	5.194E 00	1.095E-01	5.643E-02	3.0	1.0
138.060	14.4597	0.01607	1.7E 00	7.280E 00	5.065E 00	5.175E 00	1.015E-01	5.673E-02	3.0	1.0
139.060	14.4787	0.01613	1.7E 00	7.050E 00	5.047E 00	5.156E 00	9.487E-02	5.701E-02	3.0	1.0
140.060	14.4966	0.01619	1.7E 00	6.874E 00	5.030E 00	5.137E 00	8.925E-02	5.727E-02	3.0	1.0

-0.		27.68750		1.00000	-0.					
XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XRT	DIRECT
1.000	27.6866	0.08339	1.1E 00	2.372E-01	9.963E-01	9.985E-01	-1.859E-03	-4.492E-03	2.0	1.0
2.000	27.6839	0.08350	1.1E 00	1.876E-01	9.965E-01	9.975E-01	-3.404E-03	-4.492E-03	1.0	1.0
3.000	27.6802	0.08356	1.0E 00	7.265E-02	9.968E-01	9.971E-01	-4.113E-03	-4.492E-03	1.0	1.0
4.000	27.6759	0.08358	1.0E 00	2.176E-02	9.970E-01	9.971E-01	-4.452E-03	-4.492E-03	1.0	1.0
5.000	27.6713	0.08357	1.0E 00	1.305E-02	9.973E-01	9.972E-01	-4.619E-03	-4.491E-03	1.0	1.0

6.000	27.6666	0.08356	1.0F 00	2.204F-02	9.976E-01	9.974E-01	-4.807F-03	-4.[illegible]0E-03	1.0	1.0
7.000	27.6618	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.846E-03	-4.[illegible]9E-03	1.0	1.0
8.000	27.6569	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.846F-03	-4.[illegible]9E-03	1.0	1.0
9.000	27.6520	0.08350	1.0E 00	3.072F-02	9.984E-01	9.[illegible]E-01	-4.846F-03	-4.698E-03	1.0	1.0
10.000	27.6472	0.08348	1.0E 00	3.124E-02	9.986E-01	9.984E-01	-4.846F-03	-4.698E-03	1.0	1.0
11.000	27.6422	0.08345	1.0E 00	3.495F-02	9.990E-01	9.987E-01	-5.139F-03	-5.132E-03	1.0	1.0
12.000	27.6370	0.08343	1.0E 00	3.208F-02	9.993E-01	9.990E-01	-5.279F-03	-5.132E-03	1.0	1.0
13.000	27.6317	0.08341	1.0E 00	3.396F-02	9.996E-01	9.993E-01	-5.279F-03	-5.131E-03	1.0	1.0
14.000	27.6264	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.279F-03	-5.130E-03	1.0	1.0
15.000	27.6211	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.279E-03	-5.130E-03	1.0	1.0
16.000	27.6156	0.08333	1.0E 00	3.564E-02	1.000E 00	1.000E 00	-5.699E-03	-5.816E-03	1.0	1.0
17.000	27.6098	0.08331	1.0E 00	3.613F-02	1.000F 00	1.000F 00	-5.905F-03	-5.815E-03	1.0	1.0
18.000	27.6039	0.08328	1.0F 00	3.667F-02	1.001F 00	1.001E 00	-5.961E-03	-5.814E-03	1.0	1.0
19.000	27.5980	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-5.961F-03	-5.814E-03	1.0	1.0
20.000	27.5920	0.08322	1.0E 00	3.702E-02	1.002E 00	1.001E 00	-5.961E-03	-5.813E-03	1.0	1.0
21.000	27.5858	0.08320	1.0E 00	6.076F-02	1.002F 00	1.002E 00	-6.534E-03	-6.795E-03	1.0	1.0
22.000	27.5791	0.08317	1.0E 00	4.291E-02	1.003E 00	1.002E 00	-6.813F-03	-6.794E-03	1.0	1.0
23.000	27.5722	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-6.940F-03	-6.793E-03	1.0	1.0
24.000	27.5653	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003C 00	-6.940E-03	-6.792E-03	1.0	1.0
25.000	27.5584	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.940E-03	-6.791E-03	1.0	1.0
26.000	27.5511	0.08304	1.0E 00	8.083E-02	1.004E 00	1.004C 00	-7.702E-03	-8.137E-03	1.0	1.0
27.000	27.5433	0.08301	1.0E 00	5.283E-02	1.005F 00	1.004E 00	-8.069E-03	-8.136E-03	1.0	1.0
28.000	27.5351	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005F 00	-8.249E-03	-8.135E-03	1.0	1.0
29.000	27.5269	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.280E-03	-8.134E-03	1.0	1.0
30.000	27.5187	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005F 00	-8.280E-03	-8.133E-03	1.0	1.0
31.000	27.5049	0.08286	1.0F 00	1.071F-01	1.006F 00	1.006E 00	-9.283E-03	-9.939E-03	1.0	1.0
32.000	27.5005	0.08282	1.0E 00	6.638E-02	1.007E 00	1.006E 00	-9.763E-03	-9.937E-03	1.0	1.0
33.000	27.4907	0.08278	1.0E 00	5.7AAE-02	1.007E 00	1.007E 00	-9.996F-03	-9.936F-03	1.0	1.0
34.000	27.4807	0.08274	1.0F 00	5.818F-02	1.008E 00	1.007E 00	-1.00AF-02	-9.935F-03	1.0	1.0
35.000	27.4707	0.08269	1.0F 00	5.918F-02	1.009E 00	1.008E 00	-1.00AF-02	-9.932E-03	1.0	1.0
36.000	27.4602	0.08265	1.0E 00	1.096E-01	1.009E 00	1.008E 00	-1.117E-02	-1.233E-02	3.0	3.0
37.000	27.4469	0.08261	1.0E 00	7.725E-02	1.010E 00	1.009E 00	-1.173E-02	-1.233E-02	3.0	3.0
38.000	27.4371	0.08257	1.0E 00	6.252E-02	1.010E 00	1.012E 00	-1.207F-02	-1.233E-02	2.0	2.0
39.000	27.4250	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.227E-02	-1.233E-02	2.0	2.0
40.000	27.4128	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.245E-02	-1.233E-02	2.0	2.0
41.000	27.3998	0.08241	1.1E 00	1.498E-01	1.012E 00	1.011E 00	-1.383E-02	-1.552E-02	3.0	3.0
42.000	27.3857	0.08236	1.0E 00	1.033F-01	1.013E 00	1.012C 00	-1.463E-02	-1.552E-02	3.0	3.0
43.000	27.3711	0.08231	1.0E 00	7.999E-02	1.014E 00	1.013E 00	-1.507E-02	-1.551E-02	2.0	2.0
44.000	27.3560	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.535E-02	-1.551E-02	2.0	2.0
45.000	27.3408	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.552E-02	-1.551E-02	2.0	2.0
46.000	27.3246	0.08213	1.1E 00	2.079F-01	1.016E 00	1.015E 00	-1.739F-02	-1.976E-02	3.0	3.0
47.000	27.3069	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.840F-02	-1.976E-02	3.0	3.0
48.000	27.2884	0.08199	1.0E 00	1.120F-01	1.017E 00	1.017E 00	-1.911F-02	-1.975E-02	3.0	3.0
49.000	27.2695	0.08192	1.0E 00	9.592E-02	1.018F 00	1.018E 00	-1.946F-02	-1.975E-02	3.0	3.0
50.000	27.2503	0.08185	1.0E 00	9.726E-02	1.019E 00	1.019E 00	-1.96AE-02	-1.975E-02	2.0	2.0
51.000	27.2297	0.08177	1.1E 00	2.773E-01	1.020E 00	1.020E 00	-2.221F-02	-2.545E-02	3.0	3.0
52.000	27.2072	0.08169	1.1E 00	1.822F-01	1.021E 00	1.021E 00	-2.366F-02	-2.545E-02	3.0	3.0
53.000	27.1837	0.08161	1.1E 00	1.404E-01	1.022E 00	1.022E 00	-2.450F-02	-2.544E-02	3.0	3.0
54.000	27.1595	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.496E-02	-2.544E-02	2.0	2.0
55.000	27.1349	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.525E-02	-2.543E-02	2.0	2.0
56.000	27.1086	0.08135	1.1E 00	3.727E-01	1.027E 00	1.025E 00	-2.870E-02	-3.315E-02	3.0	3.0
57.000	27.0797	0.08125	1.1E 00	2.383F-01	1.028E 00	1.026E 00	-3.065E-02	-3.315E-02	3.0	3.0
58.000	27.0493	0.08115	1.1E 00	1.764E-01	1.029E 00	1.028E 00	-3.179E-02	-3.314E-02	3.0	3.0
59.000	27.0180	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.245E-02	-3.314E-02	3.0	3.0
60.000	26.9863	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.282E-02	-3.314E-02	2.0	2.0
61.000	26.9522	0.08085	1.1E 00	5.030E-01	1.033E 00	1.031E 00	-3.757E-02	-4.369E-02	3.0	3.0
62.000	26.9145	0.08073	1.1E 00	3.122E-01	1.035E 00	1.033E 00	-4.023E-02	-4.369E-02	3.0	3.0
63.000	26.8746	0.08062	1.1E 00	2.207E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	3.0
64.000	26.8341	0.08051	1.1E 00	1.834F-01	1.038E 00	1.036E 00	-4.266E-02	-4.369E-02	3.0	3.0
65.000	26.7927	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.316E-02	-4.370E-02	2.0	2.0
66.000	26.7479	0.08028	1.2E 00	6.887E-01	1.041E 00	1.039E 00	-4.982F-02	-5.830E-02	3.0	3.0
67.000	26.6982	0.08015	1.1E 00	4.141E-01	1.043E 00	1.041E 00	-5.349E-02	-5.832E-02	3.0	3.0
68.000	26.6458	0.08002	1.1E 00	2.774E-01	1.044E 00	1.042E 00	-5.540E-02	-5.834E-02	3.0	3.0
69.000	26.5919	0.07990	1.1E 00	2.165E-01	1.046E 00	1.044E 00	-5.643E-02	-5.834E-02	3.0	3.0
70.000	26.5372	0.07977	1.1E 00	1.939E-01	1.048E 00	1.045E 00	-5.757E-02	-5.838E-02	3.0	3.0
71.000	26.4774	0.07964	1.2E 00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

82

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.041E 00	1.039E 00	-4.982E-02	-5.830E-02	3.0	1.0
67.000	26.6982	0.08015	1.1E 00	4.141E-01	1.043E 00	1.041E 00	-5.349E-02	-5.832E-02	3.0	1.0
68.000	26.6458	0.08002	1.1E 00	2.774E-01	1.044E 00	1.042E 00	-5.560E-02	-5.834E-02	3.0	1.0
69.000	26.5919	0.07990	1.1E 00	2.165E-01	1.046E 00	1.044E 00	-5.683E-02	-5.836E-02	3.0	1.0
70.000	26.5372	0.07977	1.1E 00	1.939E-01	1.048E 00	1.045E 00	-5.757E-02	-5.838E-02	3.0	1.0
71.000	26.4776	0.07964	1.2E 00	9.514E-01	1.030E 00	1.047E 00	-6.705E-02	-7.887E-02	3.0	1.0

72.000	26.4112	0.07951	1.1E 00	5.539E-01	1.051E 00	1.049E 00	-7.220E-02	-7.894E-02	3.0	1.0
73.000	26.3410	0.07939	1.1E 00	3.494E-01	1.053E 00	1.051E 00	-7.512E-02	-7.901E-02	3.0	1.0
74.000	26.2687	0.07927	1.1E 00	2.495E-01	1.054E 00	1.052E 00	-7.685E-02	-7.910E-02	3.0	1.0
75.000	26.1952	0.07915	1.1E 00	2.065E-01	1.056E 00	1.054E 00	-7.790E-02	-7.918E-02	3.0	1.0
76.000	26.1148	0.07902	1.2E 00	1.[illegible]39E 00	1.057E 00	1.055E 00	-9.173E-02	-1.083E-01	3.0	1.0
77.000	26.0245	0.07891	1.2E 00	7.572E-01	1.059E 00	1.057E 00	-9.907E-02	-1.086E-01	3.0	1.0
78.000	25.9288	0.07881	1.1E 00	4.528E-01	1.060E 00	1.058E 00	-1.032E-01	-1.088E-01	3.0	1.0
79.000	25.8302	0.07872	1.1E 00	2.907E-01	1.061E 00	1.059E 00	-1.057E-01	-1.091E-01	3.0	1.0
80.000	25.7297	0.07863	1.1E 00	2.066E-01	1.062E 00	1.060E 00	-1.073E-01	-1.093E-01	3.0	1.0
81.000	25.6213	0.07855	1.3E 00	1.475E 00	1.063E 00	1.061E 00	-1.227E-01	-1.410E-01	3.0	1.0
82.000	25.5019	0.07848	1.2E 00	8.361E-01	1.063E 00	1.062E 00	-1.309E-01	-1.416E-01	3.0	1.0
83.000	25.3764	0.07845	1.1E 00	4.996E-01	1.063E 00	1.062E 00	-1.357E-01	-1.421E-01	3.0	1.0
84.000	25.2418	0.07845	1.2E 00	1.414E 00	1.062E 00	1.062E 00	-1.504E-01	-1.681E-01	3.0	1.0
85.000	25.0963	0.07848	1.2E 00	8.240E-01	1.061E 00	1.061E 00	-1.585E-01	-1.690E-01	3.0	1.0
86.000	24.9378	0.07855	1.3E 00	1.813E 00	1.059E 00	1.060E 00	-1.779E-01	-2.003E-01	3.0	1.0
87.000	24.7662	0.07793	1.3E 00	1.999E 00	1.100E 00	1.079E 00	-1.891E-01	-2.018E-01	3.0	1.0
88.000	24.5887	0.07695	1.2E 00	1.106E 00	1.099E 00	1.087E 00	-1.954E-01	-2.034E-01	3.0	1.0
89.000	24.3995	0.07650	1.3E 00	2.048E 00	1.095E 00	1.091E 00	-2.168E-01	-2.419E-01	3.0	1.0
90.000	24.1952	0.07637	1.2E 00	1.223E 00	1.092E 00	1.091E 00	-2.290E-01	-2.446E-01	3.0	1.0
91.000	23.9715	0.07647	1.4E 00	2.681E 00	1.085E 00	1.088E 00	-2.586E-01	-2.911E-01	3.0	1.0
91.200	23.9235	0.01532	1.3E 00	2.033E 00	1.080E 00	1.087E 00	-2.628E-01	-2.959E-01	2.0	1.0
91.400	23.8748	0.01533	1.3E 00	1.881E 00	1.078E 00	1.086E 00	-2.666E-01	-2.969E-01	2.0	1.0
91.600	23.8254	0.01535	1.3E 00	1.752E 00	1.076E 00	1.085E 00	-2.701E-01	-2.979E-01	2.0	1.0
91.800	23.7753	0.01537	1.3E 00	1.644E 00	1.074E 00	1.084E 00	-2.733E-01	-2.990E-01	2.0	1.0
92.000	23.7246	0.01538	1.3E 00	1.552E 00	1.072E 00	1.083E 00	-2.762E-01	-3.001E-01	2.0	1.0
92.200	23.6733	0.01540	1.3E 00	1.475E 00	1.071E 00	1.081E 00	-2.789E-01	-3.011E-01	2.0	1.0
92.400	23.6214	0.01542	1.2E 00	1.410E 00	1.069E 00	1.080E 00	-2.815E-01	-3.022E-01	2.0	1.0
92.600	23.5691	0.01544	1.2E 00	1.356E 00	1.067E 00	1.079E 00	-2.838E-01	-3.033E-01	2.0	1.0
92.800	23.5158	0.01546	1.4E 00	3.086E 00	1.064E 00	1.077E 00	-2.907E-01	-3.404E-01	2.0	1.0
93.000	23.4612	0.01549	1.4E 00	2.833E 00	1.061E 00	1.075E 00	-2.968E-01	-3.419E-01	2.0	1.0
93.200	23.4054	0.01552	1.4E 00	2.673E 00	1.058E 00	1.073E 00	-3.023E-01	-3.435E-01	2.0	1.0
93.400	23.3485	0.01555	1.3E 00	2.447E 00	1.055E 00	1.071E 00	-3.074E-01	-3.451E-01	2.0	1.0
93.600	23.2906	0.01558	1.3E 00	2.302E 00	1.052E 00	1.069E 00	-3.119E-01	-3.467E-01	2.0	1.0
93.800	23.2316	0.01561	1.4E 00	2.957E 00	1.049E 00	1.066E 00	-3.183E-01	-3.643E-01	2.0	1.0
94.000	23.1713	0.01565	1.4E 00	2.760E 00	1.046E 00	1.064E 00	-3.241E-01	-3.662E-01	2.0	1.0
94.200	23.1098	0.01568	1.4E 00	2.598E 00	1.042E 00	1.061E 00	-3.293E-01	-3.681E-01	2.0	1.0
94.400	23.0471	0.01572	1.4E 00	2.826E 00	1.038E 00	1.059E 00	-3.352E-01	-3.776E-01	2.0	1.0
94.600	22.9831	0.01577	1.4E 00	2.931E 00	1.034E 00	1.056E 00	-3.413E-01	-3.851E-01	2.0	1.0
94.800	22.9180	0.01577	1.4E 00	2.894E 00	1.073E 00	1.058E 00	-3.476E-01	-3.934E-01	2.0	1.0
95.000	22.8516	0.01575	1.4E 00	2.901E 00	1.068E 00	1.059E 00	-3.542E-01	-4.017E-01	2.0	1.0
95.200	22.7842	0.01574	1.4E 00	2.675E 00	1.062E 00	1.059E 00	-3.603E-01	-4.048E-01	2.0	1.0
95.400	22.7155	0.01574	1.4E 00	2.953E 00	1.057E 00	1.059E 00	-3.671E-01	-4.162E-01	2.0	1.0
95.600	22.6455	0.01575	1.4E 00	2.800E 00	1.051E 00	1.058E 00	-3.735E-01	-4.196E-01	2.0	1.0
95.800	22.5741	0.01576	1.4E 00	3.270E 00	1.045E 00	1.056E 00	-3.810E-01	-4.341E-01	2.0	1.0
96.000	22.5013	0.01579	1.4E 00	3.143E 00	1.038E 00	1.054E 00	-3.881E-01	-4.379E-01	2.0	1.0
96.200	22.4269	0.01583	1.4E 00	3.060E 00	1.032E 00	1.051E 00	-3.947E-01	-4.417E-01	2.0	1.0
96.400	22.3509	0.01588	1.5E 00	3.866E 00	1.024E 00	1.048E 00	-4.035E-01	-4.626E-01	3.0	1.0
96.600	22.2729	0.01594	1.5E 00	3.722E 00	1.017E 00	1.044E 00	-4.117E-01	-4.671E-01	2.0	1.0
96.800	22.1931	0.01600	1.4E 00	3.642E 00	1.009E 00	1.039E 00	-4.194E-01	-4.717E-01	2.0	1.0
97.000	22.1115	0.01607	1.4E 00	3.590E 00	1.002E 00	1.035E 00	-4.267E-01	-4.764E-01	2.0	1.0
97.200	22.0281	0.01615	1.4E 00	3.559E 00	9.943E-01	1.029E 00	-4.338E-01	-4.813E-01	2.0	1.0
97.400	21.9426	0.01624	1.5E 00	4.536E 00	9.847E-01	1.023E 00	-4.439E-01	-5.075E-01	3.0	1.0
97.600	21.8547	0.01634	1.5E 00	4.427E 00	9.758E-01	1.017E 00	-4.533E-01	-5.132E-01	3.0	1.0
97.800	21.7643	0.01645	1.5E 00	4.321E 00	9.669E-01	1.010E 00	-4.623E-01	-5.192E-01	2.0	1.0
98.000	21.6716	0.01656	1.5E 00	4.272E 00	9.580E-01	1.003E 00	-4.709E-01	-5.253E-01	2.0	1.0
98.200	21.5765	0.01668	1.5E 00	4.239E 00	9.491E-01	9.956E-01	-4.792E-01	-5.316E-01	2.0	1.0
98.400	21.4788	0.01681	1.5E 00	4.971E 00	9.382E-01	9.873E-01	-4.901E-01	-5.547E-01	3.0	1.0
98.600	21.3780	0.01695	1.5E 00	4.888E 00	9.280E-01	9.788E-01	-5.005E-01	-5.620E-01	3.0	1.0
98.800	21.2742	0.01710	1.5E 00	4.829E 00	9.178E-01	9.700E-01	-5.105E-01	-5.696E-01	3.0	1.0
99.000	21.1675	0.01726	1.5E 00	4.786E 00	9.076E-01	9.609E-01	-5.203E-01	-5.773E-01	3.0	1.0
99.200	21.0577	0.01743	1.5E 00	4.719E 00	8.974E-01	9.516E-01	-5.298E-01	-5.853E-01	2.0	1.0
99.400	20.9447	0.01760	1.5E 00	4.942E 00	8.863E-01	9.419E-01	-5.400E-01	-5.981E-01	3.0	1.0
99.600	20.8282	0.01780	1.6E 00	5.141E 00	8.714E-01	9.311E-01	-5.505E-01	-6.089E-01	3.0	1.0
99.800	20.7080	0.01801	1.6E 00	5.439E 00	8.544E-01	9.192E-01	-5.616E-01	-6.214E-01	3.0	1.0
100.000	20.5836	0.01826	1.6E 00	5.728E 00	8.374E-01	9.061E-01	-5.734E-01	-6.354E-01	3.0	1.0
100.200	20.4547	0.01854	1.6E 00	5.966E 00	8.204E-01	8.922E-01	-5.859E-01	-6.500E-01	3.0	1.0

99.800	20.7080	0.01801	1.6E 00	5.439E 00	8.544E-01	9.192E-01	-5.616E-01	-6.214E-01	3.0	1.0
100.000	20.5836	0.01826	1.6E 00	5.728E 00	8.374E-01	9.061E-01	-5.734E-01	-6.354E-01	3.0	1.0
100.200	20.4547	0.01854	1.6E 00	5.966E 00	8.204E-01	8.922E-01	-5.859E-01	-6.500E-01	3.0	1.0
100.400	20.3209	0.01884	1.6E 00	5.995E 00	8.028E-01	8.774E-01	-5.982E-01	-6.595E-01	3.0	1.0
100.600	20.1818	0.01917	1.6E 00	6.205E 00	7.855E-01	8.618E-01	-6.113E-01	-6.754E-01	3.0	1.0
100.800	20.0372	0.01952	1.6E 00	5.952E 00	7.683E-01	8.458E-01	-6.228E-01	-6.787E-01	3.0	1.0
101.000	19.8870	0.01990	1.6E 00	6.153E 00	7.511E-01	8.292E-01	-6.356E-01	-6.956E-01	3.0	1.0
101.200	19.7294	0.02041	1.7E 00	7.898E 00	6.978E-01	8.042E-01	-6.511E-01	-7.169E-01	3.0	1.0
101.400	19.5634	0.02104	1.7E 00	7.306E 00	6.768E-01	7.798E-01	-6.636E-01	-7.162E-01	3.0	1.0
101.600	19.3885	0.02172	1.7E 00	7.431E 00	6.554E-01	7.551E-01	-6.788E-01	-7.401E-01	3.0	1.0
101.800	19.2027	0.02259	1.8E 00	8.730E 00	5.936E-01	7.207E-01	-6.921E-01	-7.408E-01	3.0	1.0
102.000	19.0042	0.02367	1.7E 00	8.222E 00	5.704E-01	6.877E-01	-7.062E-01	-7.565E-01	3.0	1.0
102.200	18.7921	0.02479	1.7E 00	7.558E 00	5.490E-01	6.567E-01	-7.195E-01	-7.651E-01	3.0	1.0
102.400	18.5623	0.02636	1.8E 00	9.910E 00	4.639E-01	6.080E-01	-7.337E-01	-7.755E-01	3.0	1.0
102.600	18.3096	0.02842	1.8E 00	8.580E 00	4.425E-01	5.647E-01	-7.482E-01	-7.893E-01	3.0	1.0
102.800	18.0270	0.03143	1.9E 00	1.103E 01	3.350E-01	4.955E-01	-7.502E-01	-7.949E-01	3.0	1.0
103.000	17.7028	0.03569	1.8E 00	8.779E 00	3.158E-01	4.384E-01	-7.641E-01	-7.937E-01	3.0	1.0
103.107	17.5000	0.02200	2.1E 00	1.433E 01	1.524E-01	3.703E-01	-7.720E-01	-7.972E-01	7.0	-1.0
103.214	17.2500	0.02734	2.1E 00	1.474E 01	7.272E-02	2.841E-01	-7.523E-01	-7.037E-01	3.0	-1.0
103.295	17.0000	0.02792	2.1E 00	1.450E 01	-1.408E-02	1.965E-01	-7.403E-01	-7.115E-01	3.0	-1.0
103.346	16.7500	0.02831	2.1E 00	1.470E 01	-1.080E-01	1.057E-01	-7.317E-01	-7.113E-01	3.0	-1.0
103.366	16.5000	0.02867	2.1E 00	1.522E 01	-2.105E-01	9.352E-03	-7.218E-01	-6.990E-01	4.0	-1.0
103.351	16.2500	0.02920	2.1E 00	1.608E 01	-3.244E-01	-9.549E-02	-7.053E-01	-6.690E-01	3.0	-1.0
103.294	16.0000	0.03019	2.2E 00	1.753E 01	-4.560E-01	-2.149E-01	-6.750E-01	-6.138E-01	4.0	-1.0
103.211	15.8000	0.02547	2.3E 00	1.983E 01	-6.037E-01	-3.307E-01	-6.338E-01	-5.366E-01	3.0	-1.0
103.076	15.6000	0.02773	2.4E 00	2.267E 01	-7.704E-01	-4.774E-01	-5.683E-01	-4.373E-01	4.0	-1.0
102.855	15.4000	0.03210	2.5E 00	2.542E 01	-9.791E-01	-6.733E-01	-4.700E-01	-3.164E-01	4.0	-1.0
102.655	15.2831	0.02078	3.0E 00	3.895E 01	-1.492E 00	-9.309E-01	-4.675E-01	-4.621E-01	7.0	1.0
102.455	15.1888	0.01586	3.2E 00	4.555E 01	-1.836E 00	-1.171E 00	-5.233E-01	-6.780E-01	3.0	1.0
102.255	15.1130	0.01166	4.6E 00	9.280E 01	-3.068E 00	-1.689E 00	-5.615E-01	-6.630E-01	3.0	1.0

-0. 27.65625 1.00000 -0.

XNN1	YNN1	DTH	CK	REN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	27.6553	0.08339	1.1E 00	2.371E-01	9.963E-01	9.965E-01	-1.857E-03	-4.489E-03	2.0	1.0
2.000	27.6527	0.08350	1.1E 00	1.875E-01	9.965E-01	9.974E-01	-3.402E-03	-4.489E-03	1.0	1.0
3.000	27.6489	0.08356	1.0E 00	7.261E-02	9.968E-01	9.971E-01	-4.110E-03	-4.489E-03	1.0	1.0
4.000	27.6446	0.08358	1.0E 00	2.173E-02	9.970E-01	9.971E-01	-4.449E-03	-4.488E-03	1.0	1.0
5.000	27.6401	0.08357	1.0E 00	1.305E-02	9.973E-01	9.972E-01	-4.616E-03	-4.488E-03	1.0	1.0
6.000	27.6354	0.08356	1.0E 00	2.204E-02	9.976E-01	9.974E-01	-4.804E-03	-4.697E-03	1.0	1.0
7.000	27.6305	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.843E-03	-4.696E-03	1.0	1.0
8.000	27.6257	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.843E-03	-4.696E-03	1.0	1.0
9.000	27.6208	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.843E-03	-4.695E-03	1.0	1.0
10.000	27.6160	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.843E-03	-4.695E-03	1.0	1.0
11.000	27.6110	0.08345	1.0E 00	3.495E-02	9.990E-01	9.987E-01	-5.135E-03	-5.129E-03	1.0	1.0
12.000	27.6058	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.275E-03	-5.128E-03	1.0	1.0
13.000	27.6005	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.275E-03	-5.128E-03	1.0	1.0
14.000	27.5952	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.275E-03	-5.127E-03	1.0	1.0
15.000	27.5899	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.275E-03	-5.126E-03	1.0	1.0
16.000	27.5844	0.08333	1.0E 00	4.563E-02	1.000E 00	1.000E 00	-5.696E-03	-5.812E-03	1.0	1.0
17.000	27.5786	0.08331	1.0E 00	3.613E-02	1.001E 00	1.000E 00	-5.901E-03	-5.811E-03	1.0	1.0
18.000	27.5727	0.08328	1.0E 00	3.667E-02	1.001E 00	1.001E 00	-5.957E-03	-5.810E-03	1.0	1.0
19.000	27.5668	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-5.957E-03	-5.810E-03	1.0	1.0
20.000	27.5608	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.957E-03	-5.809E-03	1.0	1.0
21.000	27.5546	0.08320	1.0E 00	6.074E-02	1.002E 00	1.002E 00	-6.530E-03	-6.791E-03	1.0	1.0
22.000	27.5479	0.08317	1.0E 00	4.291E-02	1.003E 00	1.002E 00	-6.809E-03	-6.790E-03	1.0	1.0
23.000	27.5411	0.08314	1.0E 00	4.144E-02	1.003E 00	1.003E 00	-6.935E-03	-6.789E-03	1.0	1.0
24.000	27.5342	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.935E-03	-6.788E-03	1.0	1.0
25.000	27.5272	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.935E-03	-6.787E-03	1.0	1.0
26.000	27.5199	0.08304	1.0E 00	8.081E-02	1.004E 00	1.004E 00	-7.697E-03	-8.133E-03	1.0	1.0
27.000	27.5121	0.08301	1.0E 00	5.282E-02	1.005E 00	1.004E 00	-8.065E-03	-8.131E-03	1.0	1.0
28.000	27.5040	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.244E-03	-8.130E-03	1.0	1.0
29.000	27.4958	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.275E-03	-8.129E-03	1.0	1.0
30.000	27.4875	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.275E-03	-8.128E-03	1.0	1.0
31.000	27.4788	0.08286	1.0E 00	1.071E-01	1.006E 00	1.006E 00	-9.278E-03	-9.933E-03	1.0	1.0
32.000	27.4693	0.08282	1.0E 00	6.637E-02	1.007E 00	1.006E 00	-9.758E-03	-9.932E-03	1.0	1.0
33.000	27.4595	0.08278	1.0E 00	5.788E-02	1.007E 00	1.007E 00	-9.991E-03	-9.930E-03	1.0	1.0
34.000	27.4496	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.007E-02	-9.928E-03	1.0	1.0
35.000	27.4396	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.007E-02	-9.927E-03	1.0	1.0
36.000	27.4291	0.08265	1.0E 00	1.096E-01	1.009E 00	1.008E 00	-1.111E-02	-1.233E-02	3.0	1.0

33.000	27.4595	0.08278	1.0E 00	5.788E-02	1.007E 00	1.007E 00	-9.758E-03	-9.932E-03	1.0	1.0
34.000	27.4496	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-9.991E-03	-9.930E-03	1.0	1.0
35.000	27.4396	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.007E-02	-9.928E-03	1.0	1.0
36.000	27.4291	0.08265	1.0E 00	1.096E-01	1.009E 00	1.008E 00	-1.007E-02	-9.927E-03	1.0	1.0
37.000	27.4177	0.08261	1.0E 00	7.725E-02	1.010E 00	1.009E 00	-1.111E-02	-1.233E-02	3.0	1.0
38.000	27.4060	0.08257	1.0E 00	6.252E-02	1.010E 00	1.010E 00	-1.206E-02	-1.232E-02	2.0	1.0
39.000	27.3939	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.227E-02	-1.232E-02	2.0	1.0
40.000	27.3817	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.244E-02	-1.232E-02	1.0	1.0
41.000	27.3687	0.08241	1.1E 00	1.498E-01	1.012E 00	1.011E 00	-1.382E-02	-1.551E-02	3.0	1.0
42.000	27.3546	0.08236	1.0E 00	1.033E-01	1.013E 00	1.012E 00	-1.463E-02	-1.551E-02	3.0	1.0
43.000	27.3400	0.08231	1.0E 00	7.999E-02	1.014E 00	1.013E 00	-1.507E-02	-1.551E-02	2.0	1.0
44.000	27.3250	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.534E-02	-1.550E-02	2.0	1.0
45.000	27.3098	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.551E-02	-1.550E-02	2.0	1.0
46.000	27.2935	0.08213	1.1E 00	2.079E-01	1.016E 00	1.015E 00	-1.739E-02	-1.975E-02	3.0	1.0
47.000	27.2759	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.847E-02	-1.975E-02	3.0	1.0
48.000	27.2574	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.911E-02	-1.975E-02	3.0	1.0
49.000	27.2385	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.945E-02	-1.974E-02	2.0	1.0
50.000	27.2192	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.967E-02	-1.974E-02	2.0	1.0
51.000	27.1987	0.08177	1.1E 00	2.773E-01	1.021E 00	1.020E 00	-2.220E-02	-2.544E-02	3.0	1.0
52.000	27.1762	0.08169	1.1E 00	1.822E-01	1.022E 00	1.021E 00	-2.365E-02	-2.544E-02	3.0	1.0
53.000	27.1527	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.449E-02	-2.544E-02	3.0	1.0
54.000	27.1285	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.496E-02	-2.543E-02	2.0	1.0
55.000	27.1039	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.524E-02	-2.543E-02	2.0	1.0
56.000	27.0776	0.08135	1.1E 00	3.728E-01	1.027E 00	1.025E 00	-2.869E-02	-3.313E-02	3.0	1.0
57.000	27.0487	0.08125	1.1E 00	2.383E-01	1.028E 00	1.026E 00	-3.065E-02	-3.314E-02	3.0	1.0
58.000	27.0183	0.08115	1.1E 00	1.764E-01	1.029E 00	1.028E 00	-3.178E-02	-3.314E-02	3.0	1.0
59.000	26.9871	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.245E-02	-3.314E-02	3.0	1.0
60.000	26.9554	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.281E-02	-3.313E-02	2.0	1.0
61.000	26.9212	0.08085	1.1E 00	5.033E-01	1.033E 00	1.031E 00	-3.757E-02	-4.369E-02	3.0	1.0
62.000	26.8835	0.08073	1.1E 00	3.123E-01	1.035E 00	1.033E 00	-4.023E-02	-4.369E-02	3.0	1.0
63.000	26.8439	0.08062	1.1E 00	2.208E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	1.0
64.000	26.8031	0.08051	1.1E 00	1.834E-01	1.038E 00	1.036E 00	-4.266E-02	-4.369E-02	3.0	1.0
65.000	26.7617	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.316E-02	-4.370E-02	2.0	1.0
66.000	26.7169	0.08028	1.2E 00	6.892E-01	1.041E 00	1.039E 00	-4.982E-02	-5.831E-02	3.0	1.0
67.000	26.6672	0.08015	1.1E 00	4.144E-01	1.043E 00	1.041E 00	-5.350E-02	-5.835E-02	3.0	1.0
68.000	26.6148	0.08002	1.1E 00	2.775E-01	1.044E 00	1.042E 00	-5.561E-02	-5.835E-02	3.0	1.0
69.000	26.5609	0.07990	1.1E 00	2.166E-01	1.046E 00	1.044E 00	-5.685E-02	-5.837E-02	3.0	1.0
70.000	26.5061	0.07977	1.1E 00	1.939E-01	1.048E 00	1.045E 00	-5.759E-02	-5.840E-02	3.0	1.0
71.000	26.4466	0.07964	1.2E 00	9.524E-01	1.050E 00	1.047E 00	-6.708E-02	-7.899E-02	3.0	1.0
72.000	26.3801	0.07951	1.1E 00	5.545E-01	1.051E 00	1.049E 00	-7.223E-02	-7.897E-02	3.0	1.0
73.000	26.3099	0.07939	1.1E 00	3.496E-01	1.053E 00	1.051E 00	-7.516E-02	-7.905E-02	3.0	1.0
74.000	26.2376	0.07927	1.1E 00	2.496E-01	1.054E 00	1.052E 00	-7.688E-02	-7.913E-02	3.0	1.0
75.000	26.1641	0.07915	1.1E 00	2.065E-01	1.056E 00	1.054E 00	-7.794E-02	-7.922E-02	3.0	1.0
76.000	26.0836	0.07902	1.2E 00	1.341E 00	1.057E 00	1.055E 00	-9.178E-02	-1.084E-01	3.0	1.0
77.000	25.9932	0.07891	1.2E 00	7.582E-01	1.059E 00	1.057E 00	-9.914E-02	-1.086E-01	3.0	1.0
78.000	25.8975	0.07881	1.1E 00	4.534E-01	1.060E 00	1.058E 00	-1.033E-01	-1.089E-01	3.0	1.0
79.000	25.7987	0.07872	1.1E 00	2.910E-01	1.061E 00	1.059E 00	-1.056E-01	-1.091E-01	3.0	1.0
80.000	25.6982	0.07863	1.1E 00	2.068E-01	1.062E 00	1.060E 00	-1.073E-01	-1.094E-01	3.0	1.0
81.000	25.5898	0.07855	1.3E 00	1.478E 00	1.063E 00	1.061E 00	-1.228E-01	-1.412E-01	3.0	1.0
82.000	25.4702	0.07848	1.2E 00	8.376E-01	1.063E 00	1.062E 00	-1.310E-01	-1.417E-01	3.0	1.0
83.000	25.3446	0.07845	1.1E 00	5.005E-01	1.063E 00	1.062E 00	-1.356E-01	-1.423E-01	3.0	1.0
84.000	25.2098	0.07845	1.2E 00	1.417E 00	1.062E 00	1.062E 00	-1.506E-01	-1.683E-01	3.0	1.0
85.000	25.0642	0.07848	1.2E 00	8.256E-01	1.061E 00	1.061E 00	-1.567E-01	-1.692E-01	3.0	1.0
86.000	24.9054	0.07855	1.3E 00	1.818E 00	1.059E 00	1.060E 00	-1.782E-01	-2.006E-01	3.0	1.0
87.000	24.7336	0.07793	1.3E 00	2.000E 00	1.100E 00	1.079E 00	-1.894E-01	-2.021E-01	3.0	1.0
88.000	24.5558	0.07695	1.2E 00	1.106E 00	1.099E 00	1.087E 00	-1.957E-01	-2.037E-01	3.0	1.0
89.000	24.3663	0.07650	1.3E 00	2.055E 00	1.095E 00	1.091E 00	-2.172E-01	-2.424E-01	3.0	1.0
90.000	24.1616	0.07637	1.2E 00	1.227E 00	1.092E 00	1.091E 00	-2.294E-01	-2.451E-01	3.0	1.0
91.000	23.9375	0.07647	1.4E 00	2.693E 00	1.085E 00	1.088E 00	-2.591E-01	-2.918E-01	3.0	1.0
91.200	23.8894	0.01532	1.3E 00	2.040E 00	1.080E 00	1.087E 00	-2.634E-01	-2.966E-01	2.0	1.0
91.400	23.8406	0.01533	1.3E 00	1.888E 00	1.078E 00	1.086E 00	-2.672E-01	-2.976E-01	2.0	1.0
91.600	23.7911	0.01535	1.3E 00	1.758E 00	1.076E 00	1.085E 00	-2.707E-01	-2.987E-01	2.0	1.0
91.800	23.7409	0.01537	1.3E 00	1.649E 00	1.074E 00	1.084E 00	-2.739E-01	-2.997E-01	2.0	1.0
92.000	23.6900	0.01538	1.3E 00	1.556E 00	1.072E 00	1.083E 00	-2.768E-01	-3.008E-01	2.0	1.0
92.200	23.6386	0.01540	1.3E 00	1.479E 00	1.071E 00	1.081E 00	-2.796E-01	-3.019E-01	2.0	1.0
92.400	23.5866	0.01542	1.2E 00	1.414E 00	1.069E 00	1.080E 00	-2.821E-01	-3.030E-01	2.0	1.0
92.600	23.5342	0.01544	1.2E 00	1.359E 00	1.067E 00	1.079E 00	-2.845E-01	-3.041E-01	2.0	1.0
92.800	23.4807	0.01546	1.4E 00	3.101E 00	1.064E 00	1.077E 00	-2.914E-01	-3.414E-01	2.0	1.0
93.000	23.4260	0.01549	1.4E 00	2.847E 00	1.061E 00	1.075E 00	-2.976E-01	-3.429E-01	2.0	1.0
93.200	23.3701	0.01552	1.4E 00	2.634E 00	1.058E 00	1.073E 00	-3.031E-01	-3.445E-01	2.0	1.0
93.400	23.3130	0.01555	1.3E 00	2.457E 00	1.055E 00	1.071E 00	-3.082E-01	-3.461E-01	2.0	1.0

93.400	23.3130	0.01555	1.3E 00	2.457E 00	1.055E 00	1.071E 00	-3.082E-01	-3.461E-01	2.0 1.0
93.600	23.2550	0.01558	1.3E 00	2.310E 00	1.052E 00	1.069E 00	-3.128E-01	-3.477E-0	1.0
93.800	23.1958	0.01561	1.4E 00	2.970E 00	1.049E 00	1.066E 00	-3.142E-01	-3.655E-01	1.0
94.000	23.1353	0.01565	1.4E 00	2.772E 00	1.046E 00	1.064E 00	-3.250E-01	-3.673E-01	2.0 1.0
94.200	23.0737	0.01568	1.4E 00	2.608E 00	1.042E 00	1.061E 00	-3.303E-01	-3.692E-01	2.0 1.0
94.400	23.0108	0.01572	1.4E 00	2.838E 00	1.038E 00	1.059E 00	-3.361E-01	-3.788E-01	2.0 1.0
94.600	22.9466	0.01577	1.4E 00	2.943E 00	1.034E 00	1.056E 00	-3.423E-01	-3.864E-01	2.0 1.0
94.800	22.8812	0.01577	1.4E 00	2.923E 00	1.073E 00	1.058E 00	-3.487E-01	-3.950E-01	2.0 1.0
95.000	22.8147	0.01575	1.4E 00	2.931E 00	1.068E 00	1.059E 00	-3.554E-01	-4.034E-01	2.0 1.0
95.200	22.7470	0.01574	1.4E 00	2.702E 00	1.062E 00	1.059E 00	-3.616E-01	-4.065E-01	2.0 1.0
95.400	22.6781	0.01574	1.4E 00	2.982E 00	1.057E 00	1.059E 00	-3.685E-01	-4.180E-01	2.0 1.0
95.600	22.6078	0.01575	1.4E 00	2.825E 00	1.051E 00	1.058E 00	-3.749E-01	-4.214E-01	2.0 1.0
95.800	22.5362	0.01576	1.4E 00	3.300E 00	1.045E 00	1.056E 00	-3.825E-01	-4.361E-01	2.0 1.0
96.000	22.4630	0.01579	1.4E 00	3.169E 00	1.038E 00	1.054E 00	-3.896E-01	-4.399E-01	2.0 1.0
96.200	22.3884	0.01583	1.4E 00	3.082E 00	1.032E 00	1.051E 00	-3.963E-01	-4.438E-01	2.0 1.0
96.400	22.3120	0.01588	1.5E 00	3.898E 00	1.024E 00	1.048E 00	-4.052E-01	-4.649E-01	3.0 1.0
96.600	22.2337	0.01594	1.5E 00	3.748E 00	1.017E 00	1.044E 00	-4.135E-01	-4.694E-01	2.0 1.0
96.800	22.1536	0.01600	1.4E 00	3.664E 00	1.009E 00	1.039E 00	-4.213E-01	-4.740E-01	2.0 1.0
97.000	22.0716	0.01607	1.4E 00	3.610E 00	1.002E 00	1.035E 00	-4.287E-01	-4.788E-01	2.0 1.0
97.200	21.9878	0.01615	1.4E 00	3.576E 00	9.943E-01	1.029E 00	-4.358E-01	-4.836E-01	2.0 1.0
97.400	21.9019	0.01624	1.5E 00	4.567E 00	9.847E-01	1.023E 00	-4.460E-01	-5.102E-01	3.0 1.0
97.600	21.8135	0.01634	1.5E 00	4.453E 00	9.758E-01	1.017E 00	-4.556E-01	-5.160E-01	3.0 1.0
97.800	21.7227	0.01645	1.5E 00	4.343E 00	9.669E-01	1.010E 00	-4.646E-01	-5.220E-01	3.0 1.0
98.000	21.6296	0.01656	1.5E 00	4.291E 00	9.580E-01	1.003E 00	-4.733E-01	-5.281E-01	2.0 1.0
98.200	21.5340	0.01668	1.5E 00	4.256E 00	9.491E-01	9.955E-01	-4.817E-01	-5.344E-01	2.0 1.0
98.400	21.4357	0.01681	1.5E 00	4.999E 00	9.382E-01	9.873E-01	-4.927E-01	-5.579E-01	3.0 1.0
98.600	21.3344	0.01695	1.5E 00	4.913E 00	9.280E-01	9.788E-01	-5.032E-01	-5.652E-01	3.0 1.0
98.800	21.2301	0.01711	1.5E 00	4.850E 00	9.178E-01	9.699E-01	-5.133E-01	-5.728E-01	3.0 1.0
99.000	21.1227	0.01726	1.5E 00	4.805E 00	9.076E-01	9.608E-01	-5.231E-01	-5.806E-01	3.0 1.0
99.200	21.0123	0.01743	1.5E 00	4.735E 00	8.974E-01	9.516E-01	-5.327E-01	-5.887E-01	2.0 1.0
99.400	20.8987	0.01760	1.5E 00	4.963E 00	8.863E-01	9.418E-01	-5.430E-01	-6.017E-01	3.0 1.0
99.600	20.7815	0.01780	1.6E 00	5.217E 00	8.714E-01	9.311E-01	-5.539E-01	-6.141E-01	3.0 1.0
99.800	20.6605	0.01802	1.6E 00	5.509E 00	8.544E-01	9.191E-01	-5.653E-01	-6.268E-01	3.0 1.0
100.000	20.5353	0.01826	1.6E 00	5.787E 00	8.374E-01	9.060E-01	-5.775E-01	-6.410E-01	3.0 1.0
100.200	20.4054	0.01854	1.6E 00	6.016E 00	8.204E-01	8.920E-01	-5.903E-01	-6.557E-01	3.0 1.0
100.400	20.2706	0.01884	1.6E 00	6.039E 00	8.028E-01	8.772E-01	-6.028E-01	-6.654E-01	3.0 1.0
100.600	20.1304	0.01917	1.6E 00	6.245E 00	7.855E-01	8.616E-01	-6.162E-01	-6.814E-01	3.0 1.0
100.800	19.9846	0.01952	1.6E 00	5.981E 00	7.683E-01	8.457E-01	-6.279E-01	-6.847E-01	3.0 1.0
101.000	19.8324	0.01998	1.7E 00	7.474E 00	7.203E-01	8.226E-01	-6.416E-01	-7.023E-01	3.0 1.0
101.200	19.6722	0.02056	1.7E 00	7.675E 00	6.978E-01	7.989E-01	-6.575E-01	-7.251E-01	3.0 1.0
101.400	19.5035	0.02117	1.7E 00	7.109E 00	6.768E-01	7.755E-01	-6.704E-01	-7.244E-01	3.0 1.0
101.600	19.3259	0.02183	1.7E 00	7.297E 00	6.554E-01	7.517E-01	-6.859E-01	-7.487E-01	3.0 1.0
101.800	19.1373	0.02268	1.8E 00	8.623E 00	5.936E-01	7.179E-01	-6.998E-01	-7.509E-01	3.0 1.0
102.000	18.9357	0.02375	1.7E 00	8.144E 00	5.704E-01	6.856E-01	-7.145E-01	-7.666E-01	3.0 1.0
102.200	18.7173	0.02520	1.9E 00	1.029E 01	4.875E-01	6.370E-01	-7.299E-01	-7.771E-01	3.0 1.0
102.400	18.4776	0.02709	1.8E 00	9.010E 00	4.639E-01	5.933E-01	-7.445E-01	-7.877E-01	3.0 1.0
102.600	18.2078	0.02986	1.9E 00	1.185E 01	3.542E-01	5.229E-01	-7.617E-01	-8.028E-01	3.0 1.0
102.800	17.8991	0.03372	1.8E 00	9.000E 00	3.350E-01	4.656E-01	-7.640E-01	-7.689E-01	3.0 1.0
102.886	17.7500	0.01615	2.0E 00	1.223E 01	2.364E-01	4.261E-01	-7.743E-01	-8.236E-01	7.0 -1.0
103.012	17.5000	0.02681	2.0E 00	1.296E 01	1.608E-01	3.532E-01	-7.798E-01	-7.943E-01	3.0 -1.0
103.114	17.2500	0.02709	2.1E 00	1.407E 01	7.303E-02	2.737E-01	-7.583E-01	-7.037E-01	3.0 -1.0
103.191	17.0000	0.02772	2.1E 00	1.418E 01	-1.639E-02	1.895E-01	-7.447E-01	-7.115E-01	3.0 -1.0
103.239	16.7500	0.02816	2.1E 00	1.471E 01	-1.145E-01	9.919E-02	-7.348E-01	-7.113E-01	3.0 -1.0
103.257	16.5000	0.02856	2.1E 00	1.553E 01	-2.233E-01	7.032E-04	-7.239E-01	-6.990E-01	4.0 -1.0
103.238	16.2500	0.02913	2.2E 00	1.670E 01	-3.465E-01	-1.093E-01	-7.066E-01	-6.690E-01	3.0 -1.0
103.175	16.0 00	0.03015	2.3E 00	1.850E 01	-4.919E-01	-2.380E-01	-6.754E-01	-6.138E-01	4.0 -1.0
103.082	15.8000	0.02547	2.4E 00	2.119E 01	-6.582E-01	-3.658E-01	-6.333E-01	-5.366E-01	3.0 -1.0
102.933	15.6000	0.02779	2.5E 00	2.435E 01	-8.474E-01	-5.304E-01	-5.663E-01	-4.373E-01	4.0 -1.0
102.707	15.4000	0.02952	2.6E 00	2.699E 01	-1.118E 00	-7.483E-01	-5.628E-01	-5.568E-01	3.0 -1.0
102.359	15.2000	0.03234	2.8E 00	3.254E 01	-1.444E 00	-1.044E 00	-4.678E-01	-3.390E-01	4.0 -1.0
102.159	15.1167	0.01218	4.9E 00	1.078E 02	-3.189E 00	-1.693E 00	-6.718E-01	-1.141E 00	7.0 1.0
101.959	15.0329	0.00826	5.8E 00	1.456E 02	-4.288E 00	-2.340E 00	-1.020E 00	-2.067E 00	3.0 1.0
101.759	14.8808	0.00684	8.4E 00	2.761E 02	-2.988E 00	-2.530E 00	-2.682E 00	-6.707E 00	4.0 1.0
101.587	14.2063	0.01132	1.1E 01	4.080E 02	2.234E 00	-0.	-7.251E 00	-9.001E 00	27.0 1.0
101.596	14.0000	0.00246	9.4E 00	3.291E 02	4.778E 00	6.127E-01	-6.740E 00	-3.260E 00	6.0 -1.0
101.895	13.0000	0.01499	7.9E 00	2.515E 02	4.613E 00	2.706E 00	-4.379E 00	-2.228E 00	5.0 -1.0
102.095	12.7135	0.00584	6.3E 00	1.686E 02	4.206E 00	3.002E 00	-3.797E 00	-1.428E 00	7.0 1.0

101.895	13.0000	0.01499	7.9E 00	3.291E 02	4.778E 00	6.127E-01	-6.740E 00	-3.260E 00	6.0	-1.0
102.095	12.7135	0.00584	6.3E 00	1.686E 02	4.206E 00	3.002E 00	-3.797E 00	-1.428E 00	7.0	1.0
102.295	12.4838	0.00536	5.9E 00	1.498E 02	4.294E 00	3.223E 00	-3.352E 00	-1.200E 00	3.0	1.0
102.495	12.2926	0.00503	5.6E 00	1.379E 02	4.369E 00	3.401E 00	-2.981E 00	-9.652E-01	3.0	1.0
102.695	12.1300	0.00480	5.4E 00	1.275E 02	4.435E 00	3.549E 00	-2.667E 00	-7.815E-01	3.0	1.0
102.895	11.9899	0.00462	5.2E 00	1.189E 02	4.490E 00	3.674E 00	-2.395E 00	-6.190E-01	3.0	1.0
103.095	11.8678	0.00447	5.0E 00	1.114E 02	4.535E 00	3.782E 00	-2.155E 00	-4.763E-01	3.0	1.0
103.295	11.7612	0.00435	4.9E 00	1.081E 02	4.562E 00	3.875E 00	-1.929E 00	-2.741E-01	3.0	1.0
103.495	11.6674	0.00426	4.7E 00	9.670E 01	4.589E 00	3.955E 00	-1.743E 00	-2.625E-01	3.0	1.0
103.695	11.5838	0.00418	4.6E 00	8.734E 01	4.615E 00	4.024E 00	-1.588E 00	-2.522E-01	3.0	1.0
103.895	11.5094	0.00411	4.5E 00	8.879E 01	4.616E 00	4.085E 00	-1.428E 00	-4.019E-02	3.0	1.0
104.095	11.4432	0.00405	4.2E 00	8.019E 01	4.624E 00	4.137E 00	-1.293E 00	-3.728E-02	3.0	1.0
104.295	11.3846	0.00401	4.4E 00	8.496E 01	4.617E 00	4.184E 00	-1.144E 00	2.144E-01	3.0	1.0
104.495	11.3332	0.00396	4.1E 00	7.662E 01	4.609E 00	4.224E 00	-1.018E 00	2.132E-01	3.0	1.0
104.695	11.2877	0.00393	3.9E 00	6.949E 01	4.601E 00	4.257E 00	-9.097E-01	2.122E-01	3.0	1.0
104.895	11.2474	0.00390	3.8E 00	6.334E 01	4.594E 00	4.285E 00	-8.157E-01	2.113E-01	3.0	1.0
105.095	11.2113	0.00388	3.6E 00	5.798E 01	4.586E 00	4.310E 00	-7.336E-01	2.105E-01	3.0	1.0
105.295	11.1796	0.00386	3.8E 00	6.494E 01	4.574E 00	4.332E 00	-6.354E-01	4.367E-01	3.0	1.0
105.495	11.1523	0.00384	3.7E 00	5.944E 01	4.563E 00	4.350E 00	-5.495E-01	4.361E-01	3.0	1.0
105.695	11.1288	0.00382	3.5E 00	5.461E 01	4.551E 00	4.366E 00	-4.737E-01	4.356E-01	3.0	1.0
105.895	11.1087	0.00381	3.4E 00	5.034E 01	4.540E 00	4.379E 00	-4.065E-01	4.351E-01	3.0	1.0
106.095	11.0915	0.00380	3.3E 00	4.655E 01	4.528E 00	4.389E 00	-3.466E-01	4.347E-01	3.0	1.0
106.295	11.0776	0.00379	3.6E 00	5.652E 01	4.522E 00	4.400E 00	-2.666E-01	6.858E-01	3.0	1.0
106.495	11.0671	0.00378	3.4E 00	5.220E 01	4.516E 00	4.408E 00	-1.955E-01	6.861E-01	3.0	1.0
106.695	11.0597	0.00378	3.3E 00	4.834E 01	4.510E 00	4.416E 00	-1.320E-01	6.864E-01	3.0	1.0
106.895	11.0550	0.00377	3.2E 00	4.489E 01	4.504E 00	4.422E 00	-7.500E-02	6.866E-01	3.0	1.0
107.095	11.0527	0.00377	3.1E 00	4.179E 01	4.499E 00	4.427E 00	-2.362E-02	6.867E-01	3.0	1.0
107.295	11.0527	0.00376	3.0E 00	3.898E 01	4.493E 00	4.431E 00	2.206E-02	6.867E-01	3.0	1.0
107.495	11.0547	0.00376	2.9E 00	3.644E 01	4.487E 00	4.435E 00	6.507E-02	6.867E-01	3.0	1.0
107.695	11.0585	0.00376	2.9E 00	3.412E 01	4.481E 00	4.438E 00	1.035E-01	6.867E-01	3.0	1.0
107.895	11.0640	0.00375	2.8E 00	3.201E 01	4.475E 00	4.440E 00	1.386E-01	6.866E-01	3.0	1.0
108.095	11.0709	0.00375	2.7E 00	3.008E 01	4.469E 00	4.442E 00	1.708E-01	6.865E-01	3.0	1.0
108.295	11.0797	0.00375	3.1E 00	4.017E 01	4.474E 00	4.444E 00	2.194E-01	9.055E-01	3.0	1.0
108.495	11.0906	0.00375	3.0E 00	3.752E 01	4.479E 00	4.446E 00	2.634E-01	9.047E-01	3.0	1.0
108.695	11.1033	0.00375	2.9E 00	3.510E 01	4.484E 00	4.448E 00	3.033E-01	9.036E-01	3.0	1.0
108.895	11.1178	0.00375	2.8E 00	3.289E 01	4.489E 00	4.451E 00	3.397E-01	9.024E-01	3.0	1.0
109.095	11.1338	0.00374	2.7E 00	3.086E 01	4.495E 00	4.453E 00	3.730E-01	9.011E-01	3.0	1.0
109.295	11.1512	0.00374	2.7E 00	2.900E 01	4.500E 00	4.456E 00	4.034E-01	8.996E-01	3.0	1.0
109.495	11.1699	0.00374	2.6E 00	2.728E 01	4.505E 00	4.459E 00	4.312E-01	8.979E-01	3.0	1.0
109.695	11.1898	0.00374	2.5E 00	2.570E 01	4.510E 00	4.462E 00	4.568E-01	8.962E-01	3.0	1.0
109.895	11.2108	0.00373	2.5E 00	2.423E 01	4.515E 00	4.465E 00	4.804E-01	8.943E-01	3.0	1.0
110.095	11.2328	0.00373	2.4E 00	2.284E 01	4.521E 00	4.468E 00	5.020E-01	8.923E-01	3.0	1.0
111.095	11.3671	0.01858	2.9E 00	3.571E 01	4.546E 00	4.503E 00	7.023E-01	1.225E 00	3.0	1.0
112.095	11.5356	0.01839	2.6E 00	2.673E 01	4.722E 00	4.598E 00	8.246E-01	1.196E 00	3.0	1.0
113.095	11.7236	0.01815	2.4E 00	2.220E 01	4.849E 00	4.625E 00	9.017E-01	1.160E 00	3.0	1.0
114.095	11.9222	0.01787	2.3E 00	2.073E 01	4.975E 00	4.702E 00	9.500E-01	1.119E 00	3.0	1.0
115.095	12.1252	0.01756	2.4E 00	2.107E 01	5.102E 00	4.790E 00	9.778E-01	1.077E 00	3.0	1.0
116.095	12.3286	0.01722	2.4E 00	2.221E 01	5.228E 00	4.886E 00	9.899E-01	1.033E 00	3.0	1.0
117.095	12.5248	0.01687	2.5E 00	2.521E 01	5.355E 00	4.992E 00	9.486E-01	8.064E-01	3.0	1.0
118.095	12.7088	0.01651	2.6E 00	2.617E 01	5.481E 00	5.101E 00	9.080E-01	7.674E-01	3.0	1.0
119.095	12.8810	0.01616	2.6E 00	2.693E 01	5.607E 00	5.214E 00	8.687E-01	7.308E-01	3.0	1.0
120.095	13.0422	0.01581	2.6E 00	2.755E 01	5.734E 00	5.328E 00	8.309E-01	6.965E-01	3.0	1.0
121.095	13.1829	0.01556	2.9E 00	3.488E 01	5.567E 00	5.384E 00	6.760E-01	1.730E-01	3.0	1.0
122.095	13.2984	0.01543	2.6E 00	2.629E 01	5.529E 00	5.415E 00	5.705E-01	1.764E-01	3.0	1.0
123.095	13.3966	0.01537	2.3E 00	2.036E 01	5.492E 00	5.429E 00	4.951E-01	1.791E-01	3.0	1.0
124.095	13.4826	0.01534	2.2E 00	1.618E 01	5.454E 00	5.434E 00	4.390E-01	1.815E-01	3.0	1.0
125.095	13.5574	0.01534	2.2E 00	1.811E 01	5.419E 00	5.431E 00	3.736E-01	8.601E-02	3.0	1.0
126.095	13.6216	0.01535	2.1E 00	1.491E 01	5.385E 00	5.423E 00	3.237E-01	8.805E-02	3.0	1.0
127.095	13.6778	0.01538	2.0E 00	1.267E 01	5.351E 00	5.411E 00	2.848E-01	8.981E-02	3.0	1.0
128.095	13.7276	0.01542	1.9E 00	1.116E 01	5.318E 00	5.396E 00	2.536E-01	9.135E-02	3.0	1.0
129.095	13.7723	0.01547	1.9E 00	1.021E 01	5.284E 00	5.378E 00	2.282E-01	9.271E-02	3.0	1.0
130.095	13.8129	0.01552	1.8E 00	9.674E 00	5.250E 00	5.358E 00	2.073E-01	9.394E-02	3.0	1.0
131.095	13.8500	0.01558	1.8E 00	9.433E 00	5.216E 00	5.336E 00	1.898E-01	9.505E-02	3.0	1.0
132.095	13.8843	0.01565	1.8E 00	9.382E 00	5.183E 00	5.312E 00	1.752E-01	9.606E-02	3.0	1.0
133.095	13.9154	0.01572	1.9E 00	1.035E 01	5.158E 00	5.288E 00	1.549E-01	4.894E-02	3.0	1.0
134.095	13.9432	0.01579	1.8E 00	9.422E 00	5.141E 00	5.265E 00	1.383E-01	4.940E-02	3.0	1.0
135.095	13.9682	0.01586	1.8E 00	8.708E 00	5.123E 00	5.243E 00	1.246E-01	4.980E-02	3.0	1.0
136.095	13.9910	0.01593	1.7E 00	8.160E 00	5.105E 00	5.222E 00	1.132E-01	5.017E-02	3.0	1.0

XNN1	YNN1	DTM	CK	REN	VDX	VOXNN1	VOYNN1	VUY	XNT	DIRECT
				1.00000	-0.					
137.095	14.0118	0.01599	1.7E 00	7.740E 00	5.007E 00	5.201E 00	1.037F-01	5.050E-02	3.0	1.0
1.000	27.6709	0.08339	1.1E 00	2.371E-01	9.963E-01	9.965E-01	-1.85AE-03	-4.491E-03	2.0	1.0
2.000	27.6683	0.08350	1.1E 00	1.876E-01	9.965E-01	9.975E-01	-3.403F-03	-4.491E-03	1.0	1.0
3.000	27.6645	0.08356	1.0E 00	7.263F-02	9.968E-01	9.971E-01	-4.111E-03	-4.490E-03	1.0	1.0
4.000	27.6602	0.08358	1.0E 00	2.17[illegible]-02	9.970E-01	9.971E-01	-4.450F-03	-4.490E-03	1.0	1.0
5.000	27.6557	0.08357	1.0E 00	1.305E-02	9.973E-01	9.972E-01	-4.617E-03	-4.490E-03	1.0	1.0
6.000	27.6510	0.08356	1.0F 00	2.204F-02	9.976F-01	9.974E-01	-4.805E-03	-4.698E-03	1.0	1.0
7.000	27.6461	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.845E-03	-4.698E-03	1.0	1.0
8.000	27.6413	0.08352	1.0E 00	2.965F-02	9.981E-01	9.979E-01	-4.845F-03	-4.697E-03	1.0	1.0
9.000	27.6364	0.08350	1.0F 00	3.072E-02	9.984E-01	9.981E-01	-4.845F-03	-4.697E-03	1.0	1.0
10.000	27.6316	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.845F-03	-4.696E-03	1.0	1.0
11.000	27.6266	0.08345	1.0E 00	3.495F-02	9.990E-01	9.987E-01	-5.137F-03	-5.130E-03	1.0	1.0
12.000	27.6214	0.08341	1.0E 00	3.20RE-02	9.993E-01	9.990E-01	-5.277E-03	-5.130E-03	1.0	1.0
13.000	27.6161	0.08341	1.0E 00	3.368E-02	9.996F-01	9.993E-01	-5.277E-03	-5.129E-03	1.0	1.0
14.000	27.6108	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.277F-03	-5.128E-03	1.0	1.0
15.000	27.6055	0.08336	1.0F 00	3.40HE-02	1.000E 00	9.999E-01	-5.277E-03	-5.128E-03	1.0	1.0
16.000	27.6000	0.08333	1.0E 00	4.563E-02	1.000E 00	1.000E 00	-5.697E-03	-5.814E-03	1.0	1.0
17.000	27.5942	0.08331	1.0E 00	3.613E-02	1.001F 00	1.000E 00	-5.903F-03	-5.813E-03	1.0	1.0
18.000	27.5883	0.08328	1.0E 00	3.667E-02	1.001E 00	1.001E 00	-5.959E-03	-5.812F-03	1.0	1.0
19.000	27.5824	0.08325	1.0E 00	3.702E-02	1.001E 00	1.001E 00	-5.959F-03	-5.812E-03	1.0	1.0
20.000	27.5764	0.08322	1.0E 00	3.782F-02	1.002E 00	1.001E 00	-5.959F-03	-5.811E-03	1.0	1.0
21.000	27.5702	0.08320	1.0E 00	6.075F-02	1.002E 00	1.002E 00	-6.532F-03	-6.793E-03	1.0	1.0
22.000	27.5635	0.08317	1.0E 00	4.291E-02	1.003E 00	1.002E 00	-6.811E-03	-6.792E-03	1.0	1.0
23.000	27.5567	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-6.938F-03	-6.791E-03	1.0	1.0
24.000	27.5497	0.08310	1.0E 00	4.280F-02	1.003E 00	1.003E 00	-6.93HE-03	-6.790E-03	1.0	1.0
25.000	27.5428	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003F 00	-6.93RF-03	-6.789E-03	1.0	1.0
26.000	27.5355	0.08304	1.0E 00	8.082F-02	1.004F 00	1.004E 00	-7.699F-03	-8.135E-03	1.0	1.0
27.000	27.5277	0.08301	1.0F 00	5.2R2F-02	1.005E 00	1.004E 00	-8.067E-03	-8.134E-03	1.0	1.0
28.000	27.5196	0.08297	1.0E 00	4.839F-02	1.005E 00	1.005E 00	-8.246F-03	-8.133E-03	1.0	1.0
29.000	27.5113	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.277E-03	-8.131E-03	1.0	1.0
30.000	27.5031	0.08290	1.0F 00	5.009F-02	1.006E 00	1.005E 00	-8.277F-03	-8.130E-03	1.0	1.0
31.000	27.4944	0.08286	1.0F 00	1.071F-01	1.006E 00	1.006E 00	-9.281F-03	-9.936E-03	1.0	1.0
32.000	27.4849	0.08282	1.0E 00	6.637E-02	1.007E 00	1.006E 00	-9.760F-03	-9.934E-03	1.0	1.0
33.000	27.4751	0.08278	1.0E 00	5.78RE-02	1.007E 00	1.007E 00	-9.994E-03	-9.933E-03	1.0	1.0
34.000	27.4651	0.08274	1.0F 00	5.81HE-02	1.008E 00	1.007E 00	-1.008F-02	-9.931E-03	1.0	1.0
35.000	27.4551	0.08269	1.0E 00	5.91RE-02	1.009F 00	1.008E 00	-1.008F-02	-9.929E-03	1.0	1.0
36.000	27.4446	0.08265	1.0E 00	1.096F-01	1.009F 00	1.008E 00	-1.112F-02	-1.233E-02	3.0	1.0
37.000	27.4333	0.08261	1.0F 00	7.725E-02	1.010E 00	1.009E 00	-1.173F-02	-1.233E-02	3.0	1.0
38.000	27.4215	0.08257	1.0E 00	6.252E-02	1.010E 00	1.009E 00	-1.206F-02	-1.233F-02	2.0	1.0
39.000	27.4095	0.08253	1.0E 00	6.380F-02	1.011E 00	1.010E 00	-1.227E-02	-1.233E-02	2.0	1.0
40.000	27.3972	0.08247	1.0F 00	8.911F-02	1.012E 00	1.011E 00	-1.244F-02	-1.232E-02	2.0	1.0
41.000	27.3842	0.08241	1.1E 00	1.49RF-01	1.012E 00	1.011E 00	-1.383F-02	-1.552E-02	3.0	1.0
42.000	27.3702	0.08236	1.0F 00	1.033F-01	1.013E 00	1.012E 00	-1.463E-02	-1.551E-02	3.0	1.0
43.000	27.3555	0.08231	1.0F 00	7.999F-02	1.014E 00	1.013E 00	-1.507F-02	-1.551E-02	2.0	1.0
44.000	27.3405	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.534E-02	-1.551E-02	2.0	1.0
45.000	27.3253	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.551E-02	-1.550E-02	2.0	1.0
46.000	27.3091	0.08213	1.1E 00	2.079F-01	1.016E 00	1.015E 00	-1.739F-02	-1.976E-02	3.0	1.0
47.000	27.2914	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.846F-02	-1.975E-02	3.0	1.0
48.000	27.2729	0.08199	1.0E 00	1.120E-01	1.017E 00	1.017E 00	-1.911E-02	-1.975E-02	3.0	1.0
49.000	27.2540	0.08192	1.0E 00	9.592F-02	1.018E 00	1.017E 00	-1.946F-02	-1.975E-02	2.0	1.0
50.000	27.2348	0.08185	1.0E 00	9.726E-02	1.019E 00	1.018E 00	-1.967F-02	-1.974E-02	2.0	1.0
51.000	27.2142	0.08177	1.1E 00	2.773E-01	1.020E 00	1.019E 00	-2.220E-02	-2.545E-02	3.0	1.0
52.000	27.1917	0.08169	1.1E 00	1.822E-01	1.021E 00	1.020E 00	-2.365F-02	-2.544E-02	3.0	1.0
53.000	27.1682	0.08161	1.1E 00	1.404E-01	1.022E 00	1.021E 00	-2.450E-02	-2.544E-02	3.0	1.0
54.000	27.1440	0.08152	1.1E 00	1.170F-01	1.023E 00	1.022E 00	-2.496E-02	-2.543E-02	2.0	1.0
55.000	27.1194	0.08144	1.1E 00	1.172E-01	1.024E 00	1.023E 00	-2.524E-02	-2.543E-02	2.0	1.0
56.000	27.0931	0.08135	1.1E 00	3.727F-01	1.025E 00	1.024E 00	-2.869F-02	-3.315E-02	3.0	1.0
57.000	27.0642	0.08125	1.1E 00	2.383E-01	1.026E 00	1.025E 00	-3.065E-02	-3.314E-02	3.0	1.0
58.000	27.0338	0.08115	1.1E 00	1.764F-01	1.027E 00	1.026E 00	-3.178E-02	-3.314E-02	3.0	1.0
59.000	27.0025	0.08105	1.1E 00	1.530E-01	1.029E 00	1.028E 00	-3.245E-02	-3.314E-02	3.0	1.0
60.000	26.9708	0.08095	1.1E 00	1.361E-01	1.032E 00	1.029E 00	-3.281E-02	-3.313E-02	2.0	1.0
-0.	-0.				-0.					

59.000	27.0025	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.245E-02	-3.314E-02	3.0	1.0
60.000	26.9708	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.281E-02	-3.313E-02	2.0	1.0
61.000	26.9367	0.08085	1.1E 00	5.032E-01	1.033E 00	1.031E 00	-3.757E-02	-4.369E-02	3.0	1.0
62.000	26.8990	0.08073	1.1E 00	3.122E-01	1.035E 00	1.033E 00	-4.023E-02	-4.369E-02	3.0	1.0
63.000	26.8594	0.08062	1.1E 00	2.208E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	1.0
64.000	26.8186	0.08051	1.1E 00	1.834E-01	1.038E 00	1.036E 00	-4.266E-02	-4.369E-02	3.0	1.0
65.000	26.7772	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.316E-02	-4.370E-02	2.0	1.0
66.000	26.7324	0.08028	1.2E 00	6.889E-01	1.041E 00	1.039E 00	-4.982E-02	-5.830E-02	3.0	1.0
67.000	26.6827	0.08015	1.1E 00	4.143E-01	1.043E 00	1.041E 00	-5.350E-02	-5.832E-02	3.0	1.0
68.000	26.6303	0.08002	1.1E 00	2.775E-01	1.044E 00	1.042E 00	-5.560E-02	-5.834E-02	3.0	1.0
69.000	26.5764	0.07990	1.1E 00	2.166E-01	1.046E 00	1.044E 00	-5.684E-02	-5.837E-02	3.0	1.0
70.000	26.5217	0.07977	1.1E 00	1.939E-01	1.048E 00	1.045E 00	-5.758E-02	-5.839E-02	3.0	1.0
71.000	26.4621	0.07964	1.2E 00	9.519E-01	1.050E 00	1.047E 00	-6.707E-02	-7.888E-02	3.0	1.0
72.000	26.3956	0.07951	1.1E 00	5.542E-01	1.051E 00	1.049E 00	-7.221E-02	-7.895E-02	3.0	1.0
73.000	26.3255	0.07939	1.1E 00	3.495E-01	1.053E 00	1.051E 00	-7.514E-02	-7.903E-02	3.0	1.0
74.000	26.2532	0.07927	1.1E 00	2.496E-01	1.054E 00	1.052E 00	-7.687E-02	-7.912E-02	3.0	1.0
75.000	26.1797	0.07915	1.1E 00	2.065E-01	1.056E 00	1.054E 00	-7.792E-02	-7.920E-02	3.0	1.0
76.000	26.0992	0.07902	1.2E 00	1.340E 00	1.057E 00	1.055E 00	-9.175E-02	-1.084E-01	3.0	1.0
77.000	26.0089	0.07891	1.2E 00	7.577E-01	1.059E 00	1.057E 00	-9.910E-02	-1.086E-01	3.0	1.0
78.000	25.9132	0.07881	1.1E 00	4.531E-01	1.060E 00	1.058E 00	-1.033E-01	-1.088E-01	3.0	1.0
79.000	25.8145	0.07872	1.1E 00	2.908E-01	1.061E 00	1.059E 00	-1.057E-01	-1.091E-01	3.0	1.0
80.000	25.7139	0.07863	1.1E 00	2.067E-01	1.062E 00	1.060E 00	-1.073E-01	-1.094E-01	3.0	1.0
81.000	25.6055	0.07855	1.3E 00	1.477E 00	1.063E 00	1.061E 00	-1.227E-01	-1.411E-01	3.0	1.0
82.000	25.4861	0.07848	1.2E 00	8.369E-01	1.063E 00	1.062E 00	-1.310E-01	-1.416E-01	3.0	1.0
83.000	25.3605	0.07845	1.1E 00	5.001E-01	1.063E 00	1.062E 00	-1.358E-01	-1.422E-01	3.0	1.0
84.000	25.2258	0.07845	1.2E 00	1.416E 00	1.062E 00	1.062E 00	-1.505E-01	-1.682E-01	3.0	1.0
85.000	25.0803	0.07848	1.2E 00	8.248E-01	1.061E 00	1.061E 00	-1.586E-01	-1.691E-01	3.0	1.0
86.000	24.9216	0.07855	1.3E 00	1.816E 00	1.059E 00	1.060E 00	-1.780E-01	-2.004E-01	3.0	1.0
87.000	24.7499	0.07793	1.3E 00	1.999E 00	1.100E 00	1.079E 00	-1.892E-01	-2.019E-01	3.0	1.0
88.000	24.5723	0.07695	1.2E 00	1.106E 00	1.099E 00	1.087E 00	-1.955E-01	-2.035E-01	3.0	1.0
89.000	24.3829	0.07650	1.3E 00	2.051E 00	1.095E 00	1.091E 00	-2.170E-01	-2.421E-01	3.0	1.0
90.000	24.1784	0.07637	1.2E 00	1.225E 00	1.092E 00	1.091E 00	-2.292E-01	-2.448E-01	3.0	1.0
91.000	23.9545	0.07647	1.4E 00	2.687E 00	1.085E 00	1.088E 00	-2.588E-01	-2.915E-01	3.0	1.0
91.200	23.9065	0.01532	1.3E 00	2.036E 00	1.080E 00	1.087E 00	-2.631E-01	-2.962E-01	2.0	1.0
91.400	23.8577	0.01533	1.3E 00	1.884E 00	1.078E 00	1.086E 00	-2.669E-01	-2.973E-01	2.0	1.0
91.600	23.8082	0.01535	1.3E 00	1.755E 00	1.076E 00	1.085E 00	-2.704E-01	-2.983E-01	2.0	1.0
91.800	23.7581	0.01537	1.3E 00	1.646E 00	1.074E 00	1.084E 00	-2.736E-01	-2.994E-01	2.0	1.0
92.000	23.7073	0.01538	1.3E 00	1.554E 00	1.072E 00	1.083E 00	-2.765E-01	-3.004E-01	2.0	1.0
92.200	23.6560	0.01540	1.3E 00	1.477E 00	1.071E 00	1.081E 00	-2.792E-01	-3.015E-01	2.0	1.0
92.400	23.6040	0.01542	1.2E 00	1.412E 00	1.069E 00	1.080E 00	-2.818E-01	-3.026E-01	2.0	1.0
92.600	23.5516	0.01544	1.2E 00	1.358E 00	1.067E 00	1.079E 00	-2.842E-01	-3.037E-01	2.0	1.0
92.800	23.4982	0.01546	1.4E 00	3.093E 00	1.064E 00	1.077E 00	-2.910E-01	-3.409E-01	2.0	1.0
93.000	23.4436	0.01549	1.4E 00	2.840E 00	1.061E 00	1.075E 00	-2.972E-01	-3.424E-01	2.0	1.0
93.200	23.3877	0.01552	1.4E 00	2.628E 00	1.058E 00	1.073E 00	-3.027E-01	-3.440E-01	2.0	1.0
93.400	23.3308	0.01555	1.3E 00	2.452E 00	1.055E 00	1.071E 00	-3.078E-01	-3.456E-01	2.0	1.0
93.600	23.2728	0.01558	1.3E 00	2.306E 00	1.052E 00	1.069E 00	-3.124E-01	-3.472E-01	2.0	1.0
93.800	23.2137	0.01561	1.4E 00	2.964E 00	1.049E 00	1.066E 00	-3.187E-01	-3.649E-01	2.0	1.0
94.000	23.1533	0.01565	1.4E 00	2.766E 00	1.046E 00	1.064E 00	-3.245E-01	-3.668E-01	2.0	1.0
94.200	23.0918	0.01568	1.4E 00	2.603E 00	1.042E 00	1.061E 00	-3.298E-01	-3.687E-01	2.0	1.0
94.400	23.0290	0.01572	1.4E 00	2.832E 00	1.038E 00	1.059E 00	-3.357E-01	-3.782E-01	2.0	1.0
94.600	22.9649	0.01577	1.4E 00	2.937E 00	1.034E 00	1.056E 00	-3.418E-01	-3.858E-01	2.0	1.0
94.800	22.8996	0.01577	1.4E 00	2.909E 00	1.031E 00	1.053E 00	-3.482E-01	-3.942E-01	2.0	1.0
95.000	22.8332	0.01575	1.4E 00	2.916E 00	1.028E 00	1.050E 00	-3.548E-01	-4.026E-01	2.0	1.0
95.200	22.7656	0.01574	1.4E 00	2.689E 00	1.026E 00	1.049E 00	-3.609E-01	-4.056E-01	2.0	1.0
95.400	22.6968	0.01574	1.4E 00	2.967E 00	1.023E 00	1.046E 00	-3.678E-01	-4.171E-01	2.0	1.0
95.600	22.6267	0.01575	1.4E 00	2.813E 00	1.021E 00	1.044E 00	-3.742E-01	-4.205E-01	2.0	1.0
95.800	22.5552	0.01576	1.4E 00	3.285E 00	1.045E 00	1.056E 00	-3.816E-01	-4.351E-01	2.0	1.0
96.000	22.4821	0.01579	1.4E 00	3.156E 00	1.038E 00	1.054E 00	-3.889E-01	-4.389E-01	2.0	1.0
96.200	22.4076	0.01583	1.4E 00	3.071E 00	1.032E 00	1.051E 00	-3.955E-01	-4.428E-01	2.0	1.0
96.400	22.3314	0.01588	1.5E 00	3.882E 00	1.024E 00	1.048E 00	-4.044E-01	-4.637E-01	3.0	1.0
96.600	22.2533	0.01594	1.5E 00	3.735E 00	1.017E 00	1.044E 00	-4.126E-01	-4.682E-01	2.0	1.0
96.800	22.1734	0.01600	1.4E 00	3.653E 00	1.009E 00	1.039E 00	-4.203E-01	-4.729E-01	2.0	1.0
97.000	22.0916	0.01607	1.4E 00	3.600E 00	1.002E 00	1.035E 00	-4.277E-01	-4.776E-01	2.0	1.0
97.200	22.0080	0.01615	1.4E 00	3.568E 00	9.943E-01	1.029E 00	-4.348E-01	-4.825E-01	2.0	1.0
97.400	21.9223	0.01624	1.5E 00	4.552E 00	9.847E-01	1.023E 00	-4.449E-01	-5.088E-01	3.0	1.0
97.600	21.8341	0.01634	1.5E 00	4.440E 00	9.758E-01	1.017E 00	-4.545E-01	-5.146E-01	3.0	1.0
97.800	21.7435	0.01645	1.5E 00	4.332E 00	9.669E-01	1.010E 00	-4.635E-01	-5.206E-01	2.0	1.0
98.000	21.6506	0.01656	1.5E 00	4.281E 00	9.580E-01	1.003E 00	-4.721E-01	-5.267E-01	2.0	1.0

98.200	21.5553	0.01668	1.5E 00	4.247E 00	9.491E-01	9.796E-01	-4.805E-01	-5.330E-01	2.0 1.0
98.400	21.4572	0.01681	1.5E 00	4.985E 00	9.382E-01	9.873E-01	-4.914E-01	-5.563E-01	3.0 1.0
98.600	21.3562	0.01695	1.5E 00	4.900E 00	9.280E-01	9.788E-01	-5.018E-01	-5.636E-01	3.0 1.0
98.800	21.2522	0.01711	1.5E 00	4.819E 00	9.178E-01	9.697E-01	-5.114E-01	-5.712E-01	3.0 1.0
99.000	21.1451	0.01726	1.5E 00	4.795E 00	9.076E-01	9.608E-01	-5.217E-01	-5.790E-01	3.0 1.0
99.200	21.0350	0.01743	1.5E 00	4.727E 00	8.974E-01	9.516E-01	-5.312E-01	-5.870E-01	2.0 1.0
99.400	20.9217	0.01760	1.5E 00	4.952E 00	8.863E-01	9.418E-01	-5.415E-01	-5.999E-01	3.0 1.0
99.600	20.8049	0.01780	1.6E 00	5.179E 00	8.714E-01	9.311E-01	-5.522E-01	-6.115E-01	3.0 1.0
99.800	20.6843	0.01802	1.6E 00	5.474E 00	8.544E-01	9.191E-01	-5.635E-01	-6.241E-01	3.0 1.0
100.000	20.5595	0.01826	1.6E 00	5.758E 00	8.374E-01	9.061E-01	-5.754E-01	-6.382E-01	3.0 1.0
100.200	20.4301	0.01854	1.6E 00	5.991E 00	8.204E-01	8.921E-01	-5.881E-01	-6.529E-01	3.0 1.0
100.400	20.2957	0.01884	1.6E 00	6.017E 00	8.028E-01	8.777E-01	-6.005F-01	-6.624E-01	3.0 1.0
100.600	20.1561	0.01917	1.6E 00	6.225F 00	7.855E-01	8.617E-01	-6.137E-01	-6.784E-01	3.0 1.0
100.800	20.0109	0.01952	1.6E 00	5.966F 00	7.683E-01	8.457E-01	-6.254E-01	-6.817E-01	3.0 1.0
101.000	19.8600	0.01990	1.6E 00	6.167E 00	7.511E-01	8.291E-01	-6.383F-01	-6.987E-01	3.0 1.0
101.200	19.7018	0.02041	1.7E 00	7.932E 00	6.978E-01	8.041F-01	-6.540E-01	-7.210E-01	3.0 1.0
101.400	19.5350	0.02105	1.7E 00	7.326F 00	6.768E-01	7.797E-01	-6.668F-01	-7.202E-01	3.0 1.0
101.600	19.3592	0.02172	1.7E 00	7.452E 00	6.554E-01	7.551E-01	-6.821E-02	-7.441E-01	4.0 1.0
101.800	19.1725	0.02259	1.8E 00	8.751F 00	5.936E-01	7.206F-01	-6.957E-01	-7.455E-01	3.0 1.0
102.000	18.9728	0.02367	1.7E 00	8.239F 00	5.704E-01	6.876E-01	-7.101F-01	-7.612E-01	4.0 1.0
102.200	18.7564	0.02513	1.9E 00	1.036F 01	4.875E-01	6.346F-01	-7.249F-01	-7.705E-01	3.0 1.0
102.400	18.5190	0.02703	1.8E 00	9.063F 00	4.639E-01	5.945E-01	-7.392F-01	-7.813E-01	7.0 1.0
102.600	18.2592	0.02900	1.7E 00	7.971E 00	4.425E-01	5.550E-01	-7.540F-01	-7.959E-01	3.0 1.0
102.800	17.9696	0.03195	1.9E 00	1.055F 01	3.350E-01	4.884E-01	-7.564F-01	-7.618E-01	10.0 -1.0
102.931	17.7500	0.02395	2.0F 00	1.284E 01	2.364E-01	4.257E-01	-7.719E-01	-8.183E-01	3.0 -1.0
103.057	17.5000	0.02688	2.0F 00	1.310E 01	1.575E-01	3.516E-01	-7.781E-01	-7.943E-01	7.0 -1.0
103.158	17.2500	0.02714	2.0E 00	1.398F 01	7.288E-02	2.725E-01	-7.570F-01	-7.037E-01	3.0 -1.0
103.235	17.0000	0.02776	2.1E 00	1.407F 01	-1.530E-02	1.691E-01	-7.439E-01	-7.115E-01	3.0 -1.0
103.284	16.7500	0.02819	2.1E 00	1.455E 01	-1.117E-01	9.989E-02	-7.343E-01	-7.113E-01	3.0 -1.0
103.302	16.5000	0.02858	2.1E 00	1.531E 01	-2.179E-01	3.155E-03	-7.236F-01	-6.990E-01	4.0 -1.0
103.264	16.2500	0.02914	2.2E 00	1.640F 01	-3.373F-01	-1.042E-01	-7.064F-01	-6.690E-01	3.0 -1.0
103.224	16.0000	0.03015	2.2F 00	1.804E 01	-4.771E-01	-2.288F-01	-6.759F-01	-6.138E-01	4.0 -1.0
103.135	15.8000	0.02546	2.3E 00	2.062F 01	-6.359E-01	-3.515E-01	-6.337F-01	-5.366E-01	3.0 -1.0
102.992	15.6000	0.02776	2.5F 00	2.366F 01	-8.158E-01	-5.086E-01	-5.673F-01	-4.373E-01	4.0 -1.0
102.777	15.4000	0.02948	2.5E 00	2.545E 01	-1.060E 00	-7.041E-01	-5.635F-01	-5.568E-01	3.0 -1.0
102.439	15.2000	0.03236	2.9E 00	3.432E 01	-1.451E 00	-1.030E 00	-4.665F-01	-3.390E-01	4.0 -1.0
102.239	15.1275	0.01218	4.9F 00	1.076F 02	-3.267F 00	-1.707E 00	-5.260F-01	-6.630E-01	7.0 1.0
102.039	15.0661	0.00860	4.9E 00	1.081E 02	-3.777E 00	-2.170F 00	-6.639F-01	-1.141E 00	3.0 1.0
101.839	14.9914	0.00675	6.4E 00	1.737F 02	-4.796E 00	-2.768E 00	-1.140F 00	-2.931E 00	3.0 1.0
101.716	14.8880	0.00376	1.2E 01	4.753E 02	-2.331E 00	-2.666C 00	-3.40HC 00	-1.070E 01	10.0 -1.0
101.661	14.8000	0.00197	1.1E 01	3.974E 02	2.356E 00	-2.055E 00	-4.030F 00	-8.740E 00	3.0 -1.0
101.618	14.7000	0.00201	9.2E 00	3.201F 02	3.499E 00	-1.476E 00	-4.263F 00	-6.260E 00	3.0 -1.0
101.590	14.6000	0.00192	8.9E 00	3.044F 02	3.981E 00	-9.458E-01	-4.410E 00	-5.780E 00	3.0 -1.0
101.574	14.5000	0.00187	8.5E 00	2.825E 02	4.229E 00	-4.762E-01	-4.484F 00	-5.227E 00	3.0 -1.0
101.576	14.2500	0.00466	8.0E 00	2.571F 02	4.581E 00	5.393E-01	-4.456F 00	-4.354E 00	4.0 -1.0
101.630	14.0000	0.00479	7.4E 00	2.221E 02	4.737E 00	1.334E 00	-4.244E 00	-3.335E 00	4.0 -1.0
101.830	13.5635	0.00899	6.5E 00	1.793E 02	4.817E 00	2.370E 00	-3.848E 00	-2.908E 00	8.0 1.0
102.030	13.2868	0.00628	6.2E 00	1.631E 02	5.107E 00	2.937E 00	-3.496E 00	-2.149E 00	3.0 1.0
102.230	13.0750	0.00530	6.1E 00	1.580E 02	5.356C 00	3.359E 00	-3.168E 00	-1.615E 00	3.0 1.0
102.430	12.9041	0.00473	6.0E 00	1.534E 02	5.530C 00	3.695E 00	-2.861F 00	-1.182E 00	3.0 1.0
102.630	12.7573	0.00446	4.9E 00	1.083F 02	4.414E 00	3.783E 00	-2.626C 00	-9.481E-01	3.0 1.0
102.830	12.6258	0.00436	4.9F 00	1.056F 02	4.473E 00	3.865E 00	-2.404F 00	-7.606E-01	3.0 1.0
103.030	12.5080	0.00427	4.8E 00	1.026E 02	4.521E 00	3.940E 00	-2.196F 00	-5.914E-01	3.0 1.0
103.230	12.4028	0.00419	4.8E 00	1.039E 02	4.553F 00	4.010E 00	-1.985F 00	-3.441E-01	3.0 1.0
103.430	12.3089	0.00412	4.6E 00	9.350E 01	4.580E 00	4.071E 00	-1.809F 00	-3.326E-01	3.0 1.0
103.630	12.2242	0.00407	4.5E 00	8.483E 01	4.607E 00	4.124E 00	-1.661E 00	-3.223E-01	3.0 1.0
103.830	12.1480	0.00402	4.5E 00	8.947E 01	4.613E 00	4.174E 00	-1.499E 00	-6.524E-02	3.0 1.0
104.030	12.0799	0.00397	4.2E 00	8.093E 01	4.622E 00	4.217E 00	-1.361E 00	-6.226E-02	3.0 1.0
104.230	12.0193	0.00393	4.4E 00	8.801E 01	4.620F 00	4.256F 00	-1.205F 00	2.273E-01	3.0 1.0
104.430	11.9660	0.00390	4.2F 00	7.934F 01	4.612E 00	4.290E 00	-1.071E 00	2.261E-01	3.0 1.0
104.630	11.9189	0.00387	4.0F 00	7.202F 01	4.604E 00	4.317E 00	-9.568E-01	2.250E-01	3.0 1.0
104.830	11.8770	0.00385	3.8E 00	6.565E 01	4.596E 00	4.341E 00	-8.574F-01	2.240E-01	3.0 1.0
105.030	11.8396	0.00383	3.7E 00	6.011E 01	4.588E 00	4.361E 00	-7.705E-01	2.232E-01	3.0 1.0
105.230	11.8067	0.00381	3.9E 00	6.704E 01	4.578E 00	4.379E 00	-6.678E-01	4.492E-01	3.0 1.0
105.430	11.7783	0.00380	3.7E 00	6.137E 01	4.567E 00	4.394E 00	-5.779E-01	4.486E-01	3.0 1.0
105.630	11.7538	0.00379	3.6E 00	5.639E 01	4.555E 00	4.407E 00	-4.986E-01	4.480E-01	3.0 1.0

105.830	11.7328	0.00378	3.4E 00	5.199E 01	4.544E 00	4.417E 00	-4.282E-01	4.475E-01	3.0	1.0
106.030	11.7149	0.00377	3.3E 00	4.809E 01	4.532E 00	4.425E 00	-3.655E-01	4.471E-01	3.0	1.0
106.230	11.7002	0.00376	3.6E 00	5.649E 01	4.524E 00	4.433E 00	-2.859E-01	6.698E-01	3.0	1.0
106.430	11.6889	0.00376	3.4E 00	5.221E 01	4.518E 00	4.439E 00	-2.150E-01	6.702E-01	3.0	1.0
106.630	11.6806	0.00375	3.3E 00	4.840E 01	4.512E 00	4.444E 00	-1.516E-01	6.705E-01	3.0	1.0
106.830	11.6751	0.00375	3.2E 00	4.497E 01	4.506E 00	4.449E 00	-9.466E-02	6.707E-01	3.0	1.0
107.030	11.6720	0.00375	3.1E 00	4.189E 01	4.500E 00	4.452E 00	-4.327E-02	6.709E-01	3.0	1.0
107.230	11.6711	0.00374	3.0E 00	3.910E 01	4.494E 00	4.455E 00	3.281E-03	6.709E-01	3.0	1.0
107.430	11.6722	0.00374	3.0E 00	3.776E 01	4.489E 00	4.457E 00	4.757E-02	6.710E-01	1.0	1.0
107.630	11.6752	0.00374	2.9E 00	3.416E 01	4.483E 00	4.459E 00	8.596E-02	6.709E-01	3.0	1.0
107.830	11.6799	0.00374	2.8E 00	3.206E 01	4.477E 00	4.460E 00	1.211E-01	6.708E-01	3.0	1.0
108.030	11.6860	0.00374	2.7E 00	3.015E 01	4.471E 00	4.460E 00	1.533E-01	6.707E-01	3.0	1.0
108.230	11.6939	0.00374	3.0E 00	3.796E 01	4.472E 00	4.461E 00	1.979E-01	8.475E-01	3.0	1.0
108.430	11.7037	0.00374	2.9E 00	3.552E 01	4.477E 00	4.462E 00	2.385E-01	8.468E-01	3.0	1.0
108.630	11.7152	0.00373	2.8E 00	3.329E 01	4.482E 00	4.463E 00	2.754E-01	8.459E-01	3.0	1.0
108.830	11.7283	0.00373	2.8E 00	3.124E 01	4.488E 00	4.465E 00	3.092E-01	8.448E-01	3.0	1.0
109.030	11.7428	0.00373	2.7E 00	2.935E 01	4.493E 00	4.466E 00	3.401E-01	8.436E-01	3.0	1.0
109.230	11.7587	0.00373	2.6E 00	2.761E 01	4.498E 00	4.469E 00	3.685E-01	8.422E-01	3.0	1.0
109.430	11.7757	0.00373	2.6E 00	2.601E 01	4.503E 00	4.470E 00	3.946E-01	8.407E-01	3.0	1.0
109.630	11.7939	0.00373	2.5E 00	2.452E 01	4.509E 00	4.472E 00	4.186E-01	8.391E-01	3.0	1.0
109.830	11.8131	0.00373	2.4E 00	2.315E 01	4.514E 00	4.474E 00	4.407E-01	8.374E-01	3.0	1.0
110.030	11.8333	0.00372	2.4E 00	2.185E 01	4.519E 00	4.477E 00	4.611E-01	8.356E-01	2.0	1.0
111.030	11.9546	0.01855	2.8E 00	3.157E 01	4.588E 00	4.506E 00	6.291E-01	1.096E 00	3.0	1.0
112.030	12.1051	0.01839	2.5E 00	2.422E 01	4.714E 00	4.556E 00	7.347E-01	1.070E 00	3.0	1.0
113.030	12.2727	0.01816	2.4E 00	2.083E 01	4.841E 00	4.620E 00	8.029E-01	1.037E 00	3.0	1.0
114.030	12.4497	0.01789	2.3E 00	2.010E 01	4.967E 00	4.697E 00	8.465E-01	1.001E 00	3.0	1.0
115.030	12.6310	0.01758	2.4E 00	2.082E 01	5.094E 00	4.784E 00	8.721E-01	9.634E-01	3.0	1.0
116.030	12.8127	0.01725	2.4E 00	2.211E 01	5.220E 00	4.879E 00	8.836E-01	9.244E-01	3.0	1.0
117.030	12.9879	0.01690	2.5E 00	2.498E 01	5.347E 00	4.984E 00	8.446E-01	7.101E-01	3.0	1.0
118.030	13.1518	0.01654	2.6E 00	2.594E 01	5.473E 00	5.094E 00	8.067E-01	6.752E-01	3.0	1.0
119.030	13.3060	0.01624	2.3E 00	1.999E 01	5.455E 00	5.166E 00	7.756E-01	6.523E-01	3.0	1.0
120.030	13.4522	0.01601	2.3E 00	2.064E 01	5.546E 00	5.243E 00	7.466E-01	6.313E-01	3.0	1.0
121.030	13.5812	0.01578	2.8E 00	3.252E 01	5.569E 00	5.319E 00	6.156E-01	1.828E-01	3.0	1.0
122.030	13.6881	0.01560	2.5E 00	2.428E 01	5.532E 00	5.363E 00	5.265E-01	1.859E-01	3.0	1.0
123.030	13.7801	0.01550	2.3E 00	1.856E 01	5.494E 00	5.388E 00	4.627E-01	1.884E-01	3.0	1.0
124.030	13.8615	0.01545	2.1E 00	1.448E 01	5.457E 00	5.400E 00	4.154E-01	1.906E-01	3.0	1.0
125.030	13.9331	0.01543	2.2E 00	1.643E 01	5.421E 00	5.403E 00	3.578E-01	9.638E-02	3.0	1.0
126.030	13.9952	0.01543	2.0E 00	1.343E 01	5.387E 00	5.401E 00	3.137E-01	9.834E-02	3.0	1.0
127.030	14.0502	0.01544	1.9E 00	1.136E 01	5.354E 00	5.393E 00	2.790E-01	1.000E-01	3.0	1.0
128.030	14.0994	0.01547	1.9E 00	1.015E 01	5.312E 00	5.380E 00	2.511E-01	1.015E-01	3.0	1.0
129.030	14.1440	0.01551	1.8E 00	9.355E 00	5.279E 00	5.365E 00	2.282E-01	1.027E-01	3.0	1.0
130.030	14.1848	0.01556	1.8E 00	8.955E 00	5.246E 00	5.347E 00	2.091E-01	1.039E-01	3.0	1.0
131.030	14.2225	0.01562	1.8E 00	8.825E 00	5.213E 00	5.326E 00	1.931E-01	1.049E-01	3.0	1.0
132.030	14.2575	0.01568	1.8E 00	8.865E 00	5.180E 00	5.304E 00	1.797E-01	1.059E-01	3.0	1.0
133.030	14.2896	0.01575	1.9E 00	1.016E 01	5.154E 00	5.280E 00	1.596E-01	5.423E-02	3.0	1.0
134.030	14.3183	0.01582	1.8E 00	9.261E 00	5.136E 00	5.257E 00	1.431E-01	5.467E-02	3.0	1.0
135.030	14.3443	0.01588	1.8E 00	8.569E 00	5.119E 00	5.236E 00	1.295E-01	5.506E-02	3.0	1.0
136.030	14.3680	0.01595	1.7E 00	8.039E 00	5.101E 00	5.215E 00	1.182E-01	5.542E-02	3.0	1.0
137.030	14.3898	0.01601	1.7E 00	7.633E 00	5.083E 00	5.195E 00	1.088E-01	5.575E-02	3.0	1.0
138.030	14.4100	0.01607	1.7E 00	7.323E 00	5.066E 00	5.176E 00	1.008E-01	5.605E-02	3.0	1.0
139.030	14.4289	0.01613	1.7E 00	7.086E 00	5.048E 00	5.157E 00	9.416E-02	5.633E-02	3.0	1.0
140.030	14.4466	0.01619	1.7E 00	6.904E 00	5.030E 00	5.138E 00	8.854E-02	5.659E-02	3.0	1.0
-0.		27.67969		1.00000	-0.					
XNN1	YNN1	OTW	CK	REN	VDX	VDXNN1	VDYNN1	VOY	XKT	DIRECT
1.000	27.6788	0.08339	1.1E 00	2.371E-01	9.963E-01	9.985E-01	-1.858E-03	-4.491E-03	2.0	1.0
2.000	27.6761	0.08350	1.1E 00	1.876E-01	9.965E-01	9.975E-01	-3.404E-03	-4.491E-03	1.0	1.0
3.000	27.6724	0.08356	1.0E 00	7.264E-02	9.968E-01	9.971E-01	-4.112E-03	-4.491E-03	1.0	1.0
4.000	27.6681	0.08358	1.0E 00	2.175E-02	9.970E-01	9.971E-01	-4.451E-03	-4.491E-03	1.0	1.0
5.000	27.6635	0.08357	1.0E 00	1.305E-02	9.973E-01	9.972E-01	-4.618E-03	-4.490E-03	1.0	1.0
6.000	27.6588	0.08356	1.0E 00	2.204E-02	9.976E-01	9.974E-01	-4.806E-03	-4.699E-03	1.0	1.0
7.000	27.6539	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.846E-03	-4.699E-03	1.0	1.0
8.000	27.6491	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.846E-03	-4.698E-03	1.0	1.0
9.000	27.6442	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.846E-03	-4.698E-03	1.0	1.0
10.000	27.6394	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.846E-03	-4.697E-03	1.0	1.0
11.000	27.6344	0.08345	1.0E 00	3.495E-02	9.990E-01	9.987E-01	-5.138E-03	-5.131E-03	1.0	1.0
12.000	27.6292	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.278E-03	-5.131E-03	1.0	1.0

13.000	27.6239	0.09341	1.0E 00	3.368E-02	9.993E-01	-5.278E-03	-5.130E-03	1.0	1.0
14.000	27.6186	0.08338	1.0E 00	3.394E-02	9.996E-01	-5.278F-03	-5.130E-03	1.0	1.0
15.000	27.6133	0.08336	1.0E 00	3.408E-02	9.999E-01	-5.278E-03	-5.129E-03	1.0	1.0
16.000	27.6078	0.08333	1.0F 00	4.563E-02	1.000E 00	-5.698E-03	-5.815E-03	1.0	1.0
17.000	27.6020	0.08331	1.0E 00	3.613E-02	1.000E 00	-5.904F-03	-5.814E-03	1.0	1.0
18.000	27.5961	0.08328	1.0E 00	3.667E-02	1.001E 00	-5.960F-03	-5.813E-03	1.0	1.0
19.000	27.5902	0.08325	1.0E 00	3.762E-02	1.001E 00	-5.960E-03	-5.813E-03	1.0	1.0
20.000	27.5842	0.08322	1.0F 00	3.782E-02	1.001E 00	-5.960E-03	-5.812E-03	1.0	1.0
21.000	27.5780	0.08320	1.0E 00	6.076F-02	1.002E 00	-6.533F-03	-6.794E-03	1.0	1.0
22.000	27.5713	0.08317	1.0E 00	4.291F-02	1.002E 00	-6.812E-03	-6.793E-03	1.0	1.0
23.000	27.5644	0.08314	1.0E 00	4.143E-02	1.003E 00	-6.939F-03	-6.792E-03	1.0	1.0
24.000	27.5575	0.08310	1.0E 00	4.280E-02	1.003E 00	-6.939E-03	-6.791E-03	1.0	1.0
25.000	27.5506	0.08307	1.0F 00	4.307F-02	1.003F 00	-6.939E-03	-6.790E-03	1.0	1.0
26.000	27.5433	0.08304	1.0E 00	8.083F-02	1.004E 00	-7.701F-03	-8.136E-03	1.0	1.0
27.000	27.5355	0.08301	1.0E 00	5.283F-02	1.004E 00	-8.068E-03	-8.135E-03	1.0	1.0
28.000	27.5273	0.08297	1.0E 00	4.839E-02	1.005E 00	-8.248F-03	-8.134E-03	1.0	1.0
29.000	27.5191	0.08294	1.0E 00	4.944F-02	1.005E 00	-8.279F-03	-8.133E-03	1.0	1.0
30.000	27.5109	0.08290	1.0E 00	5.009F-02	1.006E 00	-8.279E-03	-8.131E-03	1.0	1.0
31.000	27.5022	0.08286	1.0E 00	1.071E-01	1.006E 00	-9.762F-03	-9.937E-03	1.0	1.0
32.000	27.4927	0.08282	1.0E 00	6.638E-02	1.007E 00	-9.762E-03	-9.936E-03	1.0	1.0
33.000	27.4829	0.08278	1.0E 00	5.748E-02	1.007E 00	-9.995E-03	-9.934E-03	1.0	1.0
34.000	27.4729	0.08274	1.0F 00	5.818E-02	1.008E 00	-1.000F-02	-9.932E-03	1.0	1.0
35.000	27.4629	0.08269	1.0E 00	5.918F-02	1.009E 00	-1.000E-02	-9.931E-03	1.0	1.0
36.000	27.4524	0.08265	1.0F 00	1.096F-01	1.009E 00	-1.112E-02	-1.233E-02	1.0	1.0
37.000	27.4411	0.08261	1.0F 00	7.725E-02	1.010E 00	-1.173E-02	-1.233E-02	1.0	1.0
38.000	27.4293	0.08257	1.0E 00	6.252F-02	1.010E 00	-1.206F-02	-1.233E-02	1.0	1.0
39.000	27.4172	0.08253	1.0F 00	6.380F-02	1.011E 00	-1.227E-02	-1.232E-02	1.0	1.0
40.000	27.4050	0.08247	1.0F 00	8.911E-02	1.011E 00	-1.244E-02	-1.552E-02	1.0	1.0
41.000	27.3920	0.08241	1.1E 00	1.498E-01	1.012E 00	-1.383E-02	-1.551E-02	1.0	1.0
42.000	27.3780	0.08236	1.0E 00	1.039F-01	1.013E 00	-1.463E-02	-1.551E-02	1.0	1.0
43.000	27.3633	0.08231	1.0F 00	7.999E-02	1.014E 00	-1.507E-02	-1.551E-02	1.0	1.0
44.000	27.3483	0.08225	1.0E 00	7.897F-02	1.014E 00	-1.535F-02	-1.551E-02	1.0	1.0
45.000	27.3331	0.08219	1.0E 00	8.067E-02	1.015E 00	-1.551F-02	-1.551E-02	2.0	2.0
46.000	27.3168	0.08213	1.1E 00	2.079F-01	1.016E 00	-1.739E-02	-1.976E-02	2.0	2.0
47.000	27.2992	0.08206	1.1E 00	1.432E-01	1.017E 00	-1.844F-02	-1.976E-02	3.0	3.0
48.000	27.2807	0.08199	1.0E 00	1.120E-01	1.018E 00	-1.911C-02	-1.975E-02	3.0	3.0
49.000	27.2617	0.08192	1.0E 00	9.592E-02	1.019E 00	-1.946F-02	-1.975E-02	3.0	3.0
50.000	27.2425	0.08185	1.0F 00	9.726E-02	1.019E 00	-1.967E-02	-1.974E-02	2.0	2.0
51.000	27.2220	0.08177	1.1E 00	2.773E-01	1.020E 00	-2.221F-02	-2.545E-02	3.0	3.0
52.000	27.1995	0.08169	1.1E 00	1.822F-01	1.021E 00	-2.365F-02	-2.544E-02	3.0	3.0
53.000	27.1759	0.08161	1.1E 00	1.404F-01	1.022E 00	-2.450F-02	-2.544E-02	3.0	3.0
54.000	27.1517	0.08152	1.1F 00	1.170F-01	1.023F 00	-2.496F-02	-2.544E-02	2.0	2.0
55.000	27.1272	0.08144	1.1E 00	1.172E-01	1.024E 00	-2.525F-02	-2.543E-02	2.0	2.0
56.000	27.1009	0.08135	1.1E 00	3.727F-01	1.025E 00	-2.870E-02	-3.315E-02	3.0	3.0
57.000	27.0719	0.08125	1.1E 00	2.363F-01	1.026F 00	-3.065E-02	-3.315E-02	3.0	3.0
58.000	27.0415	0.08115	1.1E 00	1.764E-01	1.028E 00	-3.178F-02	-3.314E-02	3.0	3.0
59.000	27.0103	0.08105	1.1E 00	1.530F-01	1.029E 00	-3.245E-02	-3.314E-02	3.0	3.0
60.000	26.9786	0.08095	1.1F 00	1.361E-01	1.030E 00	-3.282E-02	-3.313E-02	2.0	2.0
61.000	26.9444	0.08085	1.1E 00	5.031E-01	1.033E 00	-3.757F-02	-4.369E-02	3.0	3.0
62.000	26.9068	0.08073	1.1E 00	3.122E-01	1.033E 00	-4.023E-02	-4.369E-02	3.0	3.0
63.000	26.8671	0.08062	1.1E 00	2.208E-01	1.034E 00	-4.176F-02	-4.369E-02	3.0	3.0
64.000	26.8263	0.08051	1.1E 00	1.834E-01	1.036E 00	-4.266E-02	-4.369E-02	3.0	3.0
65.000	26.7849	0.08039	1.1E 00	1.593E-01	1.037E 00	-4.316E-02	-4.370E-02	2.0	2.0
66.000	26.7401	0.08028	1.2E 00	6.888E-01	1.039E 00	-4.982F-02	-5.830E-02	3.0	3.0
67.000	26.6905	0.08015	1.1E 00	4.142E-01	1.041E 00	-5.350E-02	-5.832E-02	3.0	3.0
68.000	26.6381	0.08002	1.1E 00	2.774E-01	1.042E 00	-5.560E-02	-5.836E-02	3.0	3.0
69.000	26.5842	0.07990	1.1F 00	2.166F-01	1.044E 00	-5.684F-02	-5.836E-02	3.0	3.0
70.000	26.5294	0.07977	1.1E 00	1.939E-01	1.045E 00	-5.758E-02	-5.839E-02	3.0	3.0
71.000	26.4698	0.07964	1.2F 00	9.517E-01	1.047E 00	-6.706E-02	-7.887E-02	3.0	3.0
72.000	26.4034	0.07951	1.1E 00	5.541E-01	1.049E 00	-7.220F-02	-7.894E-02	3.0	3.0
73.000	26.3332	0.07939	1.1E 00	3.494E-01	1.051E 00	-7.513E-02	-7.902E-02	3.0	3.0
74.000	26.2609	0.07927	1.1E 00	2.495E-01	1.052E 00	-7.686E-02	-7.911E-02	3.0	3.0
75.000	26.1874	0.07915	1.1E 00	2.065E-01	1.054E 00	-7.791E-02	-7.919E-02	3.0	3.0
76.000	26.1070	0.07902	1.2E 00	1.339E 00	1.055E 00	-9.174E-02	-1.084E-01	3.0	3.0
77.000	26.0167	0.07891	1.2E 00	7.574E-01	1.057E 00	-9.908E-02	-1.086E-01	3.0	3.0
78.000	25.9210	0.07881	1.1E 00	4.530E-01	1.058E 00	-1.032E-01	-1.088E-01	3.0	3.0

78.000	25.9210	0.07881	1.1E 00	4.530E-01	1.060E 00	1.058E 00	-1.032E-01	-1.088E-01	3.0	1.0
79.000	25.8223	0.07872	1.1E 00	2.907E-01	1.061E 00	1.059E 00	-1.057E-01	-1.091E-01	3.0	1.0
80.000	25.7218	0.07863	1.1E 00	2.067E-01	1.062E 00	1.060E 00	-1.073E-01	-1.093E-01	3.0	1.0
81.000	25.6134	0.07855	1.3E 00	1.476E 00	1.063E 00	1.061E 00	-1.227E-01	-1.411E-01	3.0	1.0
82.000	25.4940	0.07848	1.2E 00	8.365E-01	1.063E 00	1.062E 00	-1.309E-01	-1.416E-01	3.0	1.0
83.000	25.3685	0.07845	1.1E 00	4.999E-01	1.063E 00	1.062E 00	-1.357E-01	-1.422E-01	3.0	1.0
84.000	25.2338	0.07845	1.2E 00	1.415E 00	1.062E 00	1.062E 00	-1.504E-01	-1.681E-01	3.0	1.0
85.000	25.0883	0.07848	1.2E 00	8.244E-01	1.061E 00	1.061E 00	-1.585E-01	-1.690E-01	3.0	1.0
86.000	24.9297	0.07855	1.3E 00	1.815E 00	1.059E 00	1.060E 00	-1.780E-01	-2.003E-01	3.0	1.0
87.000	24.7580	0.07793	1.3E 00	1.999E 00	1.100E 00	1.079E 00	-1.892E-01	-2.018E-01	3.0	1.0
88.000	24.5805	0.07695	1.2E 00	1.106E 00	1.099E 00	1.087E 00	-1.955E-01	-2.034E-01	3.0	1.0
89.000	24.3912	0.07650	1.3E 00	2.050E 00	1.095E 00	1.091E 00	-2.169E-01	-2.420E-01	3.0	1.0
90.000	24.1868	0.07637	1.2E 00	1.224E 00	1.092E 00	1.091E 00	-2.291E-01	-2.447E-01	3.0	1.0
91.000	23.9630	0.07647	1.4E 00	2.684E 00	1.085E 00	1.088E 00	-2.587E-01	-2.913E-01	3.0	1.0
91.200	23.9150	0.01532	1.3E 00	2.035E 00	1.080E 00	1.087E 00	-2.629E-01	-2.961E-01	2.0	1.0
91.400	23.8663	0.01533	1.3E 00	1.883E 00	1.078E 00	1.086E 00	-2.667E-01	-2.971E-01	2.0	1.0
91.600	23.8168	0.01535	1.3E 00	1.754E 00	1.076E 00	1.085E 00	-2.702E-01	-2.981E-01	2.0	1.0
91.800	23.7667	0.01537	1.3E 00	1.645E 00	1.074E 00	1.084E 00	-2.734E-01	-2.992E-01	2.0	1.0
92.000	23.7160	0.01538	1.3E 00	1.553E 00	1.072E 00	1.083E 00	-2.763E-01	-3.002E-01	2.0	1.0
92.200	23.6646	0.01540	1.3E 00	1.476E 00	1.071E 00	1.081E 00	-2.791E-01	-3.013E-01	2.0	1.0
92.400	23.6127	0.01542	1.2E 00	1.411E 00	1.069E 00	1.080E 00	-2.816E-01	-3.024E-01	2.0	1.0
92.600	23.5603	0.01544	1.2E 00	1.357E 00	1.067E 00	1.079E 00	-2.840E-01	-3.035E-01	2.0	1.0
92.800	23.5070	0.01546	1.4E 00	3.090E 00	1.064E 00	1.077E 00	-2.909E-01	-3.407E-01	2.0	1.0
93.000	23.4524	0.01549	1.4E 00	2.837E 00	1.061E 00	1.075E 00	-2.970E-01	-3.422E-01	2.0	1.0
93.200	23.3966	0.01552	1.4E 00	2.625E 00	1.058E 00	1.073E 00	-3.025E-01	-3.437E-01	2.0	1.0
93.400	23.3396	0.01555	1.3E 00	2.450E 00	1.055E 00	1.071E 00	-3.076E-01	-3.453E-01	2.0	1.0
93.600	23.2817	0.01558	1.3E 00	2.304E 00	1.052E 00	1.069E 00	-3.121E-01	-3.469E-01	2.0	1.0
93.800	23.2227	0.01561	1.4E 00	2.960E 00	1.049E 00	1.066E 00	-3.185E-01	-3.646E-01	2.0	1.0
94.000	23.1623	0.01565	1.4E 00	2.763E 00	1.046E 00	1.064E 00	-3.243E-01	-3.665E-01	2.0	1.0
94.200	23.1008	0.01568	1.4E 00	2.600E 00	1.042E 00	1.061E 00	-3.295E-01	-3.684E-01	2.0	1.0
94.400	23.0381	0.01572	1.4E 00	2.829E 00	1.038E 00	1.059E 00	-3.354E-01	-3.779E-01	2.0	1.0
94.600	22.9740	0.01577	1.4E 00	2.934E 00	1.034E 00	1.056E 00	-3.415E-01	-3.855E-01	2.0	1.0
94.800	22.9088	0.01577	1.4E 00	2.901E 00	1.073E 00	1.058E 00	-3.479E-01	-3.938E-01	2.0	1.0
95.000	22.8424	0.01575	1.4E 00	2.908E 00	1.068E 00	1.059E 00	-3.545E-01	-4.021E-01	2.0	1.0
95.200	22.7749	0.01574	1.4E 00	2.682E 00	1.062E 00	1.059E 00	-3.606E-01	-4.052E-01	2.0	1.0
95.400	22.7061	0.01574	1.4E 00	2.960E 00	1.057E 00	1.059E 00	-3.675E-01	-4.167E-01	2.0	1.0
95.600	22.6361	0.01575	1.4E 00	2.806E 00	1.051E 00	1.058E 00	-3.738E-01	-4.200E-01	2.0	1.0
95.800	22.5647	0.01576	1.4E 00	3.277E 00	1.045E 00	1.056E 00	-3.814E-01	-4.346E-01	2.0	1.0
96.000	22.4917	0.01579	1.4E 00	3.150E 00	1.038E 00	1.054E 00	-3.885E-01	-4.384E-01	2.0	1.0
96.200	22.4173	0.01583	1.4E 00	3.066E 00	1.032E 00	1.051E 00	-3.951E-01	-4.423E-01	2.0	1.0
96.400	22.3411	0.01588	1.5E 00	3.874E 00	1.024E 00	1.048E 00	-4.039E-01	-4.631E-01	3.0	1.0
96.600	22.2631	0.01594	1.5E 00	3.728E 00	1.017E 00	1.044E 00	-4.121E-01	-4.677E-01	2.0	1.0
96.800	22.1832	0.01600	1.4E 00	3.647E 00	1.009E 00	1.039E 00	-4.199E-01	-4.723E-01	2.0	1.0
97.000	22.1015	0.01607	1.4E 00	3.595E 00	1.002E 00	1.035E 00	-4.272E-01	-4.770E-01	2.0	1.0
97.200	22.0181	0.01615	1.4E 00	3.564E 00	9.943E-01	1.029E 00	-4.343E-01	-4.819E-01	2.0	1.0
97.400	21.9325	0.01624	1.5E 00	4.544E 00	9.847E-01	1.023E 00	-4.444E-01	-5.081E-01	3.0	1.0
97.600	21.8444	0.01634	1.5E 00	4.433E 00	9.758E-01	1.017E 00	-4.539E-01	-5.139E-01	3.0	1.0
97.800	21.7539	0.01645	1.5E 00	4.326E 00	9.669E-01	1.010E 00	-4.629E-01	-5.199E-01	2.0	1.0
98.000	21.6611	0.01656	1.5E 00	4.277E 00	9.580E-01	1.003E 00	-4.715E-01	-5.260E-01	2.0	1.0
98.200	21.5659	0.01668	1.5E 00	4.243E 00	9.491E-01	9.956E-01	-4.799E-01	-5.323E-01	2.0	1.0
98.400	21.4680	0.01681	1.5E 00	4.978E 00	9.382E-01	9.873E-01	-4.907E-01	-5.555E-01	3.0	1.0
98.600	21.3671	0.01695	1.5E 00	4.894E 00	9.280E-01	9.788E-01	-5.011E-01	-5.628E-01	3.0	1.0
98.800	21.2632	0.01710	1.5E 00	4.834E 00	9.178E-01	9.700E-01	-5.112E-01	-5.704E-01	3.0	1.0
99.000	21.1563	0.01726	1.5E 00	4.791E 00	9.076E-01	9.609E-01	-5.210E-01	-5.781E-01	3.0	1.0
99.200	21.0463	0.01743	1.5E 00	4.723E 00	8.974E-01	9.516E-01	-5.305E-01	-5.861E-01	2.0	1.0
99.400	20.9332	0.01760	1.5E 00	4.947E 00	8.863E-01	9.419E-01	-5.408E-01	-5.990E-01	3.0	1.0
99.600	20.8165	0.01780	1.6E 00	5.160E 00	8.714E-01	9.311E-01	-5.514E-01	-6.102E-01	3.0	1.0
99.800	20.6961	0.01802	1.6E 00	5.457E 00	8.544E-01	9.192E-01	-5.625E-01	-6.227E-01	3.0	1.0
100.000	20.5716	0.01826	1.6E 00	5.743E 00	8.374E-01	9.061E-01	-5.744E-01	-6.368E-01	3.0	1.0
100.200	20.4424	0.01854	1.6E 00	5.978E 00	8.204E-01	8.921E-01	-5.870E-01	-6.514E-01	3.0	1.0
100.400	20.3083	0.01884	1.6E 00	6.006E 00	8.028E-01	8.773E-01	-5.993E-01	-6.610E-01	3.0	1.0
100.600	20.1689	0.01917	1.6E 00	6.215E 00	7.855E-01	8.617E-01	-6.125E-01	-6.769E-01	3.0	1.0
100.800	20.0241	0.01952	1.6E 00	5.939E 00	7.683E-01	8.457E-01	-6.241E-01	-6.802E-01	3.0	1.0
101.000	19.8735	0.01990	1.6E 00	6.160E 00	7.511E-01	8.292E-01	-6.370E-01	-6.972E-01	3.0	1.0
101.200	19.7156	0.02041	1.7E 00	7.915E 00	6.978E-01	8.042E-01	-6.526E-01	-7.189E-01	3.0	1.0
101.400	19.5492	0.02104	1.7E 00	7.916E 00	6.768E-01	7.798E-01	-6.652E-01	-7.182E-01	3.0	1.0
101.600	19.3739	0.02172	1.7E 00	7.442E 00	6.554E-01	7.551E-01	-6.805E-01	-7.423E-01	3.0	1.0

101.800	19.1876	0.02259	1.8E 00	8.741E 00	5.936E-01	7.206E-01	-6.939E-01	-7.432E-01	3.0	1.0
102.000	18.9885	0.02367	1.7E 00	8.231E 00	5.704E-01	6.877E-01	-7.082E-01	-7.588E-01	3.0	1.0
102.200	18.7727	0.02513	1.9E 00	1.035E 01	4.875E-01	6.387E-01	-7.228E-01	-7.678E-01	3.0	1.0
102.400	18.5360	0.02703	1.8E 00	9.058E 00	4.639E-01	5.946E-01	-7.369E-01	-7.787E-01	3.0	1.0
102.600	18.2770	0.02900	1.7E 00	7.969E 00	4.425E-01	5.550E-01	-7.516E-01	-7.933E-01	3.0	1.0
102.800	17.9884	0.03195	1.9E 00	1.055E 01	3.350E-01	4.884E-01	-7.540E-01	-7.593E-01	3.0	1.0
102.942	17.7500	0.02606	2.0E 00	1.271E 01	2.364E-01	4.226E-01	-7.709E-01	-8.169E-01	7.0	-1.0
103.066	17.5000	0.02691	2.0E 00	1.293E 01	1.567E-01	3.482E-01	-7.774E-01	-7.943E-01	3.0	-1.0
103.167	17.2500	0.02716	2.0E 00	1.382E 01	7.285E-02	2.703E-01	-7.566E-01	-7.037E-01	3.0	-1.0
103.244	17.0000	0.02778	2.0E 00	1.396E 01	-1.516E-02	1.877E-01	-7.436E-01	-7.115E-01	3.0	-1.0
103.292	16.7500	0.02820	2.1E 00	1.447E 01	-1.112E-01	9.921E-02	-7.341E-01	-7.113E-01	3.0	-1.0
103.310	16.5000	0.02859	2.1E 00	1.524E 01	-2.170E-01	3.094E-03	-7.234E-01	-6.990E-01	4.0	-1.0
103.292	16.2500	0.02914	2.2E 00	1.632E 01	-3.357E-01	-1.036E-01	-7.064E-01	-6.690E-01	3.0	-1.0
103.232	16.0000	0.03015	2.2E 00	1.800E 01	-4.746E-01	-2.274E-01	-6.755E-01	-6.138E-01	4.0	-1.0
103.144	15.8000	0.02546	2.3E 00	2.052E 01	-6.321E-01	-3.492E-01	-6.338E-01	-5.366E-01	3.0	-1.0
103.002	15.6000	0.02775	2.5E 00	2.354E 01	-8.104E-01	-5.050E-01	-5.674E-01	-4.377E-01	4.0	-1.0
102.765	15.4000	0.03222	2.6E 00	2.713E 01	-1.050E 00	-7.226E-01	-4.673E-01	-3.16[illegible]E-01	4.0	-1.0
102.565	15.2847	0.01920	3.2E 00	4.553E 01	-1.654E 00	-1.013E 00	-5.330E-01	-6.780E-01	7.0	1.0
102.365	15.1856	0.01454	3.4E 00	5.227E 01	-2.041E 00	-1.280E 00	-6.034E-01	-8.042E-01	3.0	1.0
102.165	15.0973	0.01092	4.6E 00	9.606E 01	-3.161E 00	-1.773E 00	-7.442E-01	-1.141E 00	3.0	1.0
101.965	15.0101	0.00805	5.7E 00	1.399E 02	-4.255E 00	-2.366E 00	-1.061E 00	-2.067E 00	3.0	1.0
101.765	14.8517	0.00675	8.7E 00	2.912E 02	-3.050E 00	-2.569E 00	-2.848E 00	-7.076E 00	4.0	1.0
101.584	14.1466	0.01172	1.0E 01	3.906E 02	2.243E 00	-0.	-7.179E 00	-8.795E 00	27.0	1.0
101.589	14.0000	0.00175	9.5E 00	3.357E 02	4.766E 00	4.480E-01	-6.801E 00	-3.158E 00	4.0	-1.0
101.864	13.0000	0.01488	8.1E 00	2.572E 02	4.602E 00	2.632E 00	-4.397E 00	-2.228E 00	5.0	-1.0
102.064	12.7063	0.00597	6.3E 00	1.703E 02	4.190E 00	2.947E 00	-3.796E 00	-1.428E 00	7.0	1.0
102.264	12.4732	0.00544	5.9E 00	1.506E 02	4.280E 00	3.180E 00	-3.343E 00	-1.198E 00	3.0	1.0
102.464	12.2803	0.00509	5.6E 00	1.382E 02	4.357E 00	3.365E 00	-2.969E 00	-9.619E-01	3.0	1.0
102.664	12.1170	0.00484	5.4E 00	1.276E 02	4.425E 00	3.517E 00	-2.653E 00	-7.782E-01	3.0	1.0
102.864	11.9765	0.00465	5.2E 00	1.188E 02	4.482E 00	3.647E 00	-2.380E 00	-6.161E-01	3.0	1.0
103.064	11.8544	0.00450	5.0E 00	1.112E 02	4.528E 00	3.757E 00	-2.140E 00	-4.739E-01	3.0	1.0
103.264	11.7478	0.00438	4.9E 00	1.079E 02	4.558E 00	3.854E 00	-1.915E 00	-2.727E-01	3.0	1.0
103.464	11.6542	0.00428	4.6E 00	9.643E 01	4.585E 00	3.936E 00	-1.730E 00	-2.610E-01	3.0	1.0
103.664	11.5710	0.00420	4.4E 00	8.708E 01	4.611E 00	4.006E 00	-1.576E 00	-2.508E-01	3.0	1.0
103.864	11.4969	0.00413	4.4E 00	8.849E 01	4.614E 00	4.069E 00	-1.417E 00	-3.968E-02	3.0	1.0
104.064	11.4310	0.00407	4.2E 00	7.991E 01	4.623E 00	4.123E 00	-1.282E 00	-3.678E-02	3.0	1.0
104.264	11.3727	0.00402	4.3E 00	8.465E 01	4.618E 00	4.172E 00	-1.135E 00	2.142E-01	3.0	1.0
104.464	11.3215	0.00398	4.1E 00	7.633E 01	4.610E 00	4.213E 00	-1.009E 00	2.130E-01	3.0	1.0
104.664	11.2764	0.00394	3.9E 00	6.922E 01	4.603E 00	4.247E 00	-9.015E-01	2.120E-01	3.0	1.0
104.864	11.2363	0.00391	3.8E 00	6.308E 01	4.595E 00	4.276E 00	-8.082E-01	2.110E-01	3.0	1.0
105.064	11.2005	0.00389	3.6E 00	5.774E 01	4.587E 00	4.301E 00	-7.266E-01	2.102E-01	3.0	1.0
105.264	11.1690	0.00386	3.8E 00	6.468E 01	4.576E 00	4.324E 00	-6.291E-01	4.365E-01	3.0	1.0
105.464	11.1420	0.00385	3.6E 00	5.920E 01	4.565E 00	4.344E 00	-5.437E-01	4.359E-01	3.0	1.0
105.664	11.1187	0.00383	3.5E 00	5.438E 01	4.553E 00	4.360E 00	-4.684E-01	4.354E-01	3.0	1.0
105.864	11.0988	0.00382	3.4E 00	5.013E 01	4.542E 00	4.373E 00	-4.017E-01	4.349E-01	3.0	1.0
106.064	11.0818	0.00381	3.3E 00	4.635E 01	4.530E 00	4.384E 00	-3.421E-01	4.345E-01	3.0	1.0
106.264	11.0680	0.00380	3.6E 00	5.634E 01	4.523E 00	4.395E 00	-2.625E-01	6.860E-01	3.0	1.0
106.464	11.0577	0.00379	3.4E 00	5.203E 01	4.517E 00	4.404E 00	-1.917E-01	6.864E-01	3.0	1.0
106.664	11.0505	0.00378	3.3E 00	4.819E 01	4.511E 00	4.412E 00	-1.285E-01	6.866E-01	3.0	1.0
106.864	11.0459	0.00377	3.2E 00	4.475E 01	4.505E 00	4.418E 00	-7.176E-02	6.868E-01	3.0	1.0
107.064	11.0438	0.00377	3.1E 00	4.165E 01	4.499E 00	4.424E 00	-2.064E-02	6.869E-01	3.0	1.0
107.264	11.0439	0.00377	3.0E 00	3.885E 01	4.493E 00	4.428E 00	2.563E-02	6.870E-01	3.0	1.0
107.464	11.0460	0.00376	2.9E 00	3.632E 01	4.488E 00	4.432E 00	6.764E-02	6.870E-01	3.0	1.0
107.664	11.0500	0.00376	2.9E 00	3.401E 01	4.482E 00	4.435E 00	1.059E-01	6.869E-01	3.0	1.0
107.864	11.0555	0.00376	2.8E 00	3.190E 01	4.476E 00	4.438E 00	1.409E-01	6.868E-01	3.0	1.0
108.064	11.0626	0.00375	2.7E 00	2.998E 01	4.470E 00	4.440E 00	1.729E-01	6.867E-01	3.0	1.0
108.264	11.0715	0.00375	3.1E 00	4.010E 01	4.473E 00	4.442E 00	2.214E-01	9.063E-01	3.0	1.0
108.464	11.0824	0.00375	3.0E 00	3.746E 01	4.478E 00	4.444E 00	2.653E-01	9.054E-01	3.0	1.0
108.664	11.0953	0.00375	2.9E 00	3.504E 01	4.483E 00	4.447E 00	3.051E-01	9.044E-01	3.0	1.0
108.864	11.1098	0.00375	2.8E 00	3.284E 01	4.489E 00	4.449E 00	3.415E-01	9.032E-01	3.0	1.0
109.064	11.1259	0.00374	2.7E 00	3.081E 01	4.494E 00	4.452E 00	3.746E-01	9.018E-01	3.0	1.0
109.264	11.1434	0.00374	2.7E 00	2.895E 01	4.499E 00	4.454E 00	4.050E-01	9.003E-01	3.0	1.0
109.464	11.1622	0.00374	2.6E 00	2.724E 01	4.504E 00	4.457E 00	4.328E-01	8.987E-01	3.0	1.0
109.664	11.1822	0.00374	2.5E 00	2.565E 01	4.509E 00	4.460E 00	4.584E-01	8.969E-01	3.0	1.0
109.864	11.2032	0.00374	2.5E 00	2.416E 01	4.513E 00	4.463E 00	4.818E-01	8.950E-01	3.0	1.0
110.064	11.2253	0.00373	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

109.064	11.1259	0.00374	2.7E 00	3.081E 01	4.494E 00	4.452E 00	3.746E-01	9.018E-01	3.0	1.0
109.264	11.1434	0.00374	2.7E 00	2.895E 01	4.499E 00	4.454E 00	4.050E-01	9.003E-01	3.0	1.0
109.464	11.1622	0.00374	2.6E 00	2.724E 01	4.504E 00	4.457E 00	4.328E-01	8.987E-01	3.0	1.0
109.664	11.1822	0.00374	2.5E 00	2.565E 01	4.509E 00	4.460E 00	4.584E-01	8.969E-01	3.0	1.0
109.864	11.2032	0.00374	2.5E 00	2.416E 01	4.513E 00	4.463E 00	4.818E-01	8.950E-01	2.0	1.0
110.064	11.2253	0.00373	2.4E 00	2.281E 01	4.520E 00	4.466E 00	5.034E-01	8.930E-01	2.0	1.0

111.064	11.3599	0.01859	2.9E 00	3.570E 01	4.592E 00	4.501E 00	7.038E-01	1.226E 00	3.0	1.0
112.064	11.5289	0.01840	2.6E 00	2.669E 01	4.719E 00	4.555E 00	8.261E-01	1.197E 00	3.0	1.0
113.064	11.7173	0.01816	2.4E 00	2.215E 01	4.845E 00	4.622E 00	9.032E-01	1.161E 00	3.0	1.0
114.064	11.9163	0.01788	2.3E 00	2.068E 01	4.972E 00	4.699E 00	9.514E-01	1.121E 00	3.0	1.0
115.064	12.1198	0.01757	2.4E 00	2.103E 01	5.098E 00	4.787E 00	9.792E-01	1.078E 00	3.0	1.0
116.064	12.3236	0.01724	2.4E 00	2.217E 01	5.224E 00	4.883E 00	9.913E-01	1.034E 00	3.0	1.0
117.064	12.5202	0.01688	2.5E 00	2.519E 01	5.351E 00	4.988E 00	9.498E-01	8.074E-01	3.0	1.0
118.064	12.7046	0.01652	2.6E 00	2.615E 01	5.477E 00	5.098E 00	9.092E-01	7.683E-01	3.0	1.0
119.064	12.8771	0.01617	2.6E 00	2.691E 01	5.603E 00	5.210E 00	8.698E-01	7.316E-01	3.0	1.0
120.064	13.0387	0.01582	2.6E 00	2.754E 01	5.730E 00	5.324E 00	8.319E-01	6.973E-01	3.0	1.0
121.064	13.1796	0.01557	2.9E 00	3.501E 01	5.568E 00	5.381E 00	6.765E-01	1.729E-01	3.0	1.0
122.064	13.2951	0.01544	2.6E 00	2.636E 01	5.530E 00	5.413E 00	5.708E-01	1.763E-01	3.0	1.0
123.064	13.3934	0.01537	2.3E 00	2.040E 01	5.493E 00	5.428E 00	4.952E-01	1.791E-01	3.0	1.0
124.064	13.4794	0.01534	2.2E 00	1.620E 01	5.455E 00	5.433E 00	4.390E-01	1.814E-01	3.0	1.0
125.064	13.5542	0.01534	2.2E 00	1.811E 01	5.420E 00	5.431E 00	3.736E-01	8.592E-02	3.0	1.0
126.064	13.6185	0.01536	2.1E 00	1.490E 01	5.386E 00	5.423E 00	3.237E-01	8.797E-02	3.0	1.0
127.064	13.6746	0.01538	2.0E 00	1.266E 01	5.353E 00	5.411E 00	2.647E-01	8.972E-02	3.0	1.0
128.064	13.7244	0.01542	1.9E 00	1.114E 01	5.319E 00	5.396E 00	2.536E-01	9.126E-02	3.0	1.0
129.064	13.7692	0.01547	1.9E 00	1.019E 01	5.285E 00	5.379E 00	2.282E-01	9.263E-02	3.0	1.0
130.064	13.8097	0.01552	1.8E 00	9.654E 00	5.251E 00	5.359E 00	2.073E-01	9.385E-02	3.0	1.0
131.064	13.8468	0.01558	1.8E 00	9.414E 00	5.217E 00	5.337E 00	1.898E-01	9.496E-02	3.0	1.0
132.064	13.8811	0.01565	1.8E 00	9.365E 00	5.184E 00	5.313E 00	1.752E-01	9.598E-02	3.0	1.0
133.064	13.9122	0.01572	1.9E 00	1.036E 01	5.159E 00	5.288E 00	1.549E-01	4.890E-02	3.0	1.0
134.064	13.9400	0.01579	1.8E 00	9.427E 00	5.141E 00	5.265E 00	1.383E-01	4.935E-02	3.0	1.0
135.064	13.9650	0.01586	1.8E 00	8.713E 00	5.123E 00	5.243E 00	1.245E-01	4.975E-02	3.0	1.0
136.064	13.9877	0.01593	1.7E 00	8.164E 00	5.106E 00	5.222E 00	1.132E-01	5.012E-02	3.0	1.0
137.064	14.0085	0.01599	1.7E 00	7.743E 00	5.088E 00	5.202E 00	1.036E-01	5.045E-02	3.0	1.0
138.064	14.0277	0.01605	1.7E 00	7.591E 00	5.067E 00	5.181E 00	9.562E-02	5.075E-02	3.0	1.0
139.064	14.0456	0.01611	1.7E 00	7.311E 00	5.049E 00	5.162E 00	8.869E-02	5.101E-02	3.0	1.0
140.064	14.0623	0.01618	1.7E 00	7.092E 00	5.031E 00	5.142E 00	8.323E-02	5.126E-02	3.0	1.0

-0. 27.68359 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	27.6827	0.08339	1.1E 00	2.371E-01	9.963E-01	9.985E-01	-1.858E-03	-4.492E-03	2.0	1.0
2.000	27.6800	0.08350	1.1E 00	1.876E-01	9.965E-01	9.975E-01	-3.404E-03	-4.492E-03	1.0	1.0
3.000	27.6763	0.08356	1.0E 00	7.264E-02	9.968E-01	9.971E-01	-4.112E-03	-4.492E-03	1.0	1.0
4.000	27.6720	0.08358	1.0E 00	2.175E-02	9.970E-01	9.971E-01	-4.451E-03	-4.491E-03	1.0	1.0
5.000	27.6674	0.08357	1.0E 00	1.305E-02	9.973E-01	9.972E-01	-4.614E-03	-4.491E-03	1.0	1.0
6.000	27.6627	0.08356	1.0E 00	2.204E-02	9.976E-01	9.974E-01	-4.807E-03	-4.699E-03	1.0	1.0
7.000	27.6579	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.846E-03	-4.699E-03	1.0	1.0
8.000	27.6530	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.846E-03	-4.698E-03	1.0	1.0
9.000	27.6481	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.846E-03	-4.698E-03	1.0	1.0
10.000	27.6433	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.846E-03	-4.697E-03	1.0	1.0
11.000	27.6383	0.08345	1.0E 00	3.495E-02	9.990E-01	9.987E-01	-5.136E-03	-5.132E-03	1.0	1.0
12.000	27.6331	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.278E-03	-5.131E-03	1.0	1.0
13.000	27.6278	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.278E-03	-5.131E-03	1.0	1.0
14.000	27.6225	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.278E-03	-5.130E-03	1.0	1.0
15.000	27.6172	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.278E-03	-5.129E-03	1.0	1.0
16.000	27.6117	0.08333	1.0E 00	4.564E-02	1.000E 00	1.000E 00	-5.694E-03	-5.815E-03	1.0	1.0
17.000	27.6059	0.08331	1.0E 00	3.613E-02	1.001E 00	1.000E 00	-5.904E-03	-5.815E-03	1.0	1.0
18.000	27.6000	0.08328	1.0E 00	3.667E-02	1.001E 00	1.001E 00	-5.960E-03	-5.814E-03	1.0	1.0
19.000	27.5941	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-5.960E-03	-5.813E-03	1.0	1.0
20.000	27.5881	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.960E-03	-5.812E-03	1.0	1.0
21.000	27.5819	0.08320	1.0E 00	6.076E-02	1.002E 00	1.002E 00	-6.534E-03	-6.794E-03	1.0	1.0
22.000	27.5752	0.08317	1.0E 00	4.291E-02	1.003E 00	1.002E 00	-6.812E-03	-6.794E-03	1.0	1.0
23.000	27.5683	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-6.939E-03	-6.793E-03	1.0	1.0
24.000	27.5614	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.939E-03	-6.792E-03	1.0	1.0
25.000	27.5545	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.939E-03	-6.791E-03	1.0	1.0
26.000	27.5472	0.08304	1.0E 00	8.083E-02	1.004E 00	1.004E 00	-7.701E-03	-8.137E-03	1.0	1.0
27.000	27.5394	0.08301	1.0E 00	5.283E-02	1.005E 00	1.004E 00	-8.069E-03	-8.136E-03	1.0	1.0
28.000	27.5312	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.248E-03	-8.134E-03	1.0	1.0
29.000	27.5230	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.279E-03	-8.133E-03	1.0	1.0
30.000	27.5148	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.279E-03	-8.132E-03	1.0	1.0
31.000	27.5060	0.08286	1.0E 00	1.071E-01	1.006E 00	1.006E 00	-9.283E-03	-9.938E-03	1.0	1.0
32.000	27.4966	0.08282	1.0E 00	6.638E-02	1.007E 00	1.006E 00	-9.762E-03	-9.936E-03	1.0	1.0
33.000	27.4868	0.08278	1.0E 00	5.788E-02	1.007E 00	1.007E 00	-9.996E-03	-9.935E-03	1.0	1.0
34.000	27.4768	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.008E-02	-9.933E-03	1.0	1.0

32.000	27.4966	0.08282	1.0E 00	6.638E-02	1.007E 00	1.006E 00	-9.762E-03	-9.936E-03	1.0	1.0
33.000	27.4868	0.08278	1.0E 00	5.788E-02	1.007E 00	1.007E 00	-9.996E-03	-9.935E-03	1.0	1.0
34.000	27.4768	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.008E-02	-9.933E-03	1.0	1.0
35.000	27.4668	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.009E-02	-9.931E-03	1.0	1.0
36.000	27.4563	0.08265	1.0E 00	1.096E-01	1.009E 00	1.008E 00	-1.112E-02	-1.233E-02	3.0	1.0
37.000	27.4450	0.08261	1.0E 00	7.725E-02	1.010E 00	1.009E 00	-1.173E-02	-1.233E-02	3.0	1.0
38.000	27.4332	0.08257	1.0E 00	6.252E-02	1.010E 00	1.010E 00	-1.206E-02	-1.233E-02	2.0	1.0
39.000	27.4211	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.227E-02	-1.233E-02	2.0	1.0
40.000	27.4089	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.244E-02	-1.233E-02	1.0	1.0
41.000	27.3959	0.08241	1.1E 00	1.498E-01	1.012E 00	1.011E 00	-1.383E-02	-1.552E-02	3.0	1.0
42.000	27.3818	0.08236	1.0E 00	1.033E-01	1.013E 00	1.012E 00	-1.463E-02	-1.351E-02	3.0	1.0
43.000	27.3672	0.08231	1.0E 00	7.999E-02	1.014E 00	1.013E 00	-1.507E-02	-1.551E-02	2.0	1.0
44.000	27.3522	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.535E-02	-1.551E-02	2.0	1.0
45.000	27.3369	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.551E-02	-1.551E-02	2.0	1.0
46.000	27.3207	0.08213	1.1E 00	2.079E-01	1.016E 00	1.015E 00	-1.739E-02	-1.976E-02	3.0	1.0
47.000	27.3031	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.848E-02	-1.976E-02	3.0	1.0
48.000	27.2846	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.911E-02	-1.975E-02	3.0	1.0
49.000	27.2656	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.946E-02	-1.975E-02	2.0	1.0
50.000	27.2464	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.968E-02	-1.974E-02	2.0	1.0
51.000	27.2258	0.08177	1.1E 00	2.773E-01	1.021E 00	1.020E 00	-2.221E-02	-2.545E-02	3.0	1.0
52.000	27.2034	0.08169	1.1E 00	1.822E-01	1.022E 00	1.021E 00	-2.365E-02	-2.545E-02	3.0	1.0
53.000	27.1798	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.450E-02	-2.544E-02	3.0	1.0
54.000	27.1556	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.496E-02	-2.544E-02	2.0	1.0
55.000	27.1311	0.08144	1.1E 00	1.17[illegible]-01	1.025E 00	1.024E 00	-2.525E-02	-2.543E-02	2.0	1.0
56.000	27.1047	0.08135	1.1E 00	3.727E-01	1.027E 00	1.025E 00	-2.870E-02	-3.315E-02	3.0	1.0
57.000	27.0758	0.08125	1.1E 00	2.383E-01	1.028E 00	1.026E 00	-3.069E-02	-3.315E-02	3.0	1.0
58.000	27.0454	0.08115	1.1E 00	1.764E-01	1.029E 00	1.028E 00	-3.179E-02	-3.314E-02	3.0	1.0
59.000	27.0142	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.245E-02	-3.314E-02	3.0	1.0
60.000	26.9825	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.282E-02	-3.314E-02	2.0	1.0
61.000	26.9483	0.08085	1.1E 00	5.031E-01	1.033E 00	1.031E 00	-3.757E-02	-4.369E-02	3.0	1.0
62.000	26.9106	0.08073	1.1E 00	3.122E-01	1.035E 00	1.033E 00	-4.023E-02	-4.369E-02	3.0	1.0
63.000	26.8710	0.08062	1.1E 00	2.207E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	1.0
64.000	26.8302	0.08051	1.1E 00	1.834E-01	1.038E 00	1.036E 00	-4.266E-02	-4.369E-02	3.0	1.0
65.000	26.7888	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.316E-02	-4.370E-02	2.0	1.0
66.000	26.7440	0.08028	1.2E 00	6.887E-01	1.041E 00	1.039E 00	-4.982E-02	-5.830E-02	3.0	1.0
67.000	26.6943	0.08015	1.1E 00	4.142E-01	1.043E 00	1.041E 00	-5.350E-02	-5.832E-02	3.0	1.0
68.000	26.6419	0.08002	1.1E 00	2.774E-01	1.044E 00	1.042E 00	-5.560E-02	-5.834E-02	3.0	1.0
69.000	26.5880	0.07990	1.1E 00	2.166E-01	1.046E 00	1.044E 00	-5.684E-02	-5.836E-02	3.0	1.0
70.000	26.5333	0.07977	1.1E 00	1.939E-01	1.048E 00	1.045E 00	-5.758E-02	-5.838E-02	3.0	1.0
71.000	26.4737	0.07964	1.2E 00	9.515E-01	1.050E 00	1.047E 00	-6.706E-02	-7.887E-02	3.0	1.0
72.000	26.4073	0.07951	1.1E 00	5.540E-01	1.051E 00	1.049E 00	-7.220E-02	-7.894E-02	3.0	1.0
73.000	26.3371	0.07939	1.1E 00	3.494E-01	1.053E 00	1.051E 00	-7.513E-02	-7.902E-02	3.0	1.0
74.000	26.2648	0.07927	1.1E 00	2.495E-01	1.054E 00	1.052E 00	-7.685E-02	-7.910E-02	3.0	1.0
75.000	26.1913	0.07915	1.1E 00	2.065E-01	1.056E 00	1.054E 00	-7.791E-02	-7.919E-02	3.0	1.0
76.000	26.1109	0.07902	1.2E 00	1.339E 00	1.057E 00	1.055E 00	-9.173E-02	-1.084E-01	3.0	1.0
77.000	26.0206	0.07891	1.2E 00	7.573E-01	1.059E 00	1.057E 00	-9.908E-02	-1.086E-01	3.0	1.0
78.000	25.9249	0.07881	1.1E 00	4.529E-01	1.060E 00	1.058E 00	-1.032E-01	-1.088E-01	3.0	1.0
79.000	25.8262	0.07872	1.1E 00	2.907E-01	1.061E 00	1.059E 00	-1.057E-01	-1.091E-01	3.0	1.0
80.000	25.7257	0.07863	1.1E 00	2.066E-01	1.062E 00	1.060E 00	-1.073E-01	-1.093E-01	3.0	1.0
81.000	25.6174	0.07855	1.3E 00	1.476E 00	1.063E 00	1.061E 00	-1.227E-01	-1.411E-01	3.0	1.0
82.000	25.4980	0.07848	1.2E 00	8.363E-01	1.063E 00	1.062E 00	-1.309E-01	-1.416E-01	3.0	1.0
83.000	25.3725	0.07845	1.1E 00	4.997E-01	1.063E 00	1.062E 00	-1.357E-01	-1.421E-01	3.0	1.0
84.000	25.2378	0.07845	1.2E 00	1.414E 00	1.062E 00	1.062E 00	-1.504E-01	-1.681E-01	3.0	1.0
85.000	25.0923	0.07848	1.2E 00	8.242E-01	1.061E 00	1.061E 00	-1.585E-01	-1.690E-01	3.0	1.0
86.000	24.9337	0.07855	1.3E 00	1.814E 00	1.059E 00	1.060E 00	-1.779E-01	-2.003E-01	3.0	1.0
87.000	24.7621	0.07793	1.3E 00	1.999E 00	1.100E 00	1.079E 00	-1.891E-01	-2.018E-01	3.0	1.0
88.000	24.5846	0.07695	1.2E 00	1.106E 00	1.099E 00	1.087E 00	-1.954E-01	-2.034E-01	3.0	1.0
89.000	24.3953	0.07650	1.3E 00	2.049E 00	1.095E 00	1.091E 00	-2.169E-01	-2.420E-01	3.0	1.0
90.000	24.1910	0.07637	1.2E 00	1.223E 00	1.092E 00	1.091E 00	-2.291E-01	-2.446E-01	3.0	1.0
91.000	23.9672	0.07647	1.4E 00	2.683E 00	1.085E 00	1.088E 00	-2.586E-01	-2.912E-01	3.0	1.0
91.200	23.9193	0.01532	1.3E 00	2.034E 00	1.080E 00	1.087E 00	-2.628E-01	-2.960E-01	2.0	1.0
91.400	23.8706	0.01533	1.3E 00	1.882E 00	1.078E 00	1.086E 00	-2.667E-01	-2.970E-01	2.0	1.0
91.600	23.8211	0.01535	1.3E 00	1.753E 00	1.076E 00	1.085E 00	-2.701E-01	-2.980E-01	2.0	1.0
91.800	23.7710	0.01537	1.3E 00	1.644E 00	1.074E 00	1.084E 00	-2.733E-01	-2.991E-01	2.0	1.0
92.000	23.7203	0.01538	1.3E 00	1.552E 00	1.072E 00	1.083E 00	-2.763E-01	-3.001E-01	2.0	1.0
92.200	23.6690	0.01540	1.3E 00	1.475E 00	1.071E 00	1.081E 00	-2.790E-01	-3.012E-01	2.0	1.0
92.400	23.6171	0.01542	1.2E 00	1.411E 00	1.069E 00	1.080E 00	-2.815E-01	-3.023E-01	2.0	1.0
92.600	23.5647	0.01544	1.2E 00	1.356E 00	1.067E 00	1.079E 00	-2.839E-01	-3.034E-01	2.0	1.0
92.800	23.5114	0.01546	1.4E 00	3.088E 00	1.064E 00	1.077E 00	-2.908E-01	-3.406E-01	2.0	1.0

92.200	23.6690	0.01540	1.3E 00	1.475E 00	1.071E 00	1.081E 00	-2.783E-01	-3.001E-01	2.0	1.0
92.400	23.6171	0.01542	1.2E 00	1.411E 00	1.069E 00	1.080E 00	-2.815E-01	-3.023E-01	2.0	1.0
92.600	23.5647	0.01544	1.2E 00	1.356E 00	1.067E 00	1.079E 00	-2.839E-01	-3.034E-01	2.0	1.0
92.800	23.5114	0.01546	1.4E 00	3.088E 00	1.064E 00	1.077E 00	-2.908E-01	-3.406E-01	2.0	1.0
93.000	23.4568	0.01549	1.4E 00	2.835E 00	1.061E 00	1.075E 00	-2.969E-01	-3.421E-01	2.0	1.0
93.200	23.4010	0.01552	1.4E 00	2.624E 00	1.058E 00	1.073E 00	-3.024E-01	-3.436E-01	2.0	1.0
93.400	23.3441	0.01555	1.3E 00	2.448E 00	1.055E 00	1.071E 00	-3.075E-01	-3.452E-01	2.0	1.0
93.600	23.2862	0.01558	1.3E 00	2.303E 00	1.052E 00	1.069E 00	-3.120E-01	-3.468E-01	2.0	1.0
93.800	23.2271	0.01561	1.4E 00	2.959E 00	1.049E 00	1.066E 00	-3.184E-01	-3.645E-01	2.0	1.0
94.000	23.1668	0.01565	1.4E 00	2.761E 00	1.046E 00	1.064E 00	-3.242E-01	-3.663E-01	2.0	1.0
94.200	23.1053	0.01568	1.4E 00	2.599E 00	1.042E 00	1.061E 00	-3.294E-01	-3.682E-01	2.0	1.0
94.400	23.0426	0.01572	1.4E 00	2.828E 00	1.038E 00	1.059E 00	-3.353E-01	-3.778E-01	2.0	1.0
94.600	22.9786	0.01577	1.4E 00	2.932E 00	1.034E 00	1.056E 00	-3.414E-01	-3.853E-01	2.0	1.0
94.800	22.9134	0.01577	1.4E 00	2.898E 00	1.073E 00	1.058E 00	-3.478E-01	-3.936E-01	2.0	1.0
95.000	22.8470	0.01575	1.4E 00	2.905E 00	1.068E 00	1.059E 00	-3.544E-01	-4.019E-01	2.0	1.0
95.200	22.7795	0.01574	1.4E 00	2.679E 00	1.062E 00	1.059E 00	-3.605E-01	-4.050E-01	2.0	1.0
95.400	22.7108	0.01574	1.4E 00	2.956E 00	1.057E 00	1.059E 00	-3.673E-01	-4.165E-01	2.0	1.0
95.600	22.6408	0.01575	1.4E 00	2.803E 00	1.051E 00	1.058E 00	-3.737E-01	-4.198E-01	2.0	1.0
95.800	22.5694	0.01576	1.4E 00	3.273E 00	1.045E 00	1.056E 00	-3.812E-01	-4.344E-01	2.0	1.0
96.000	22.4965	0.01579	1.4E 00	3.146E 00	1.038E 00	1.054E 00	-3.883E-01	-4.381E-01	2.0	1.0
96.200	22.4221	0.01583	1.4E 00	3.063E 00	1.032E 00	1.051E 00	-3.949E-01	-4.420E-01	2.0	1.0
96.400	22.3460	0.01588	1.5E 00	3.870E 00	1.024E 00	1.048E 00	-4.037E-01	-4.629E-01	3.0	1.0
96.600	22.2680	0.01594	1.5E 00	3.725E 00	1.017E 00	1.044E 00	-4.119E-01	-4.674E-01	2.0	1.0
96.800	22.1882	0.01600	1.4E 00	3.645E 00	1.009E 00	1.039E 00	-4.196E-01	-4.720E-01	2.0	1.0
97.000	22.1065	0.01607	1.4E 00	3.593E 00	1.002E 00	1.035E 00	-4.270E-01	-4.767E-01	2.0	1.0
97.200	22.0231	0.01615	1.4E 00	3.561E 00	9.943E-01	1.029E 00	-4.340E-01	-4.816E-01	2.0	1.0
97.400	21.9375	0.01624	1.5E 00	4.540E 00	9.847E-01	1.023E 00	-4.441E-01	-5.078E-01	3.0	1.0
97.600	21.8495	0.01634	1.5E 00	4.430E 00	9.758E-01	1.017E 00	-4.536E-01	-5.136E-01	3.0	1.0
97.800	21.7591	0.01645	1.5E 00	4.324E 00	9.669E-01	1.010E 00	-4.626E-01	-5.196E-01	2.0	1.0
98.000	21.6663	0.01656	1.5E 00	4.274E 00	9.580E-01	1.003E 00	-4.712E-01	-5.257E-01	2.0	1.0
98.200	21.5712	0.01668	1.5E 00	4.241E 00	9.491E-01	9.956E-01	-4.796E-01	-5.319E-01	2.0	1.0
98.400	21.4734	0.01681	1.5E 00	4.974E 00	9.382E-01	9.873E-01	-4.904E-01	-5.551E-01	3.0	1.0
98.600	21.3725	0.01695	1.5E 00	4.891E 00	9.280E-01	9.788E-01	-5.008E-01	-5.624E-01	3.0	1.0
98.800	21.2687	0.01710	1.5E 00	4.831E 00	9.178E-01	9.700E-01	-5.109E-01	-5.700E-01	3.0	1.0
99.000	21.1619	0.01726	1.5E 00	4.788E 00	9.076E-01	9.609E-01	-5.206E-01	-5.777E-01	3.0	1.0
99.200	21.0520	0.01743	1.5E 00	4.721E 00	8.974E-01	9.516E-01	-5.301E-01	-5.857E-01	2.0	1.0
99.400	20.9389	0.01760	1.5E 00	4.945E 00	8.863E-01	9.419E-01	-5.404E-01	-5.986E-01	3.0	1.0
99.600	20.8224	0.01780	1.6E 00	5.150E 00	8.714E-01	9.311E-01	-5.509E-01	-6.095E-01	3.0	1.0
99.800	20.7021	0.01801	1.6E 00	5.448E 00	8.544E-01	9.192E-01	-5.621E-01	-6.220E-01	3.0	1.0
100.000	20.5776	0.01826	1.6E 00	5.736E 00	8.374E-01	9.061E-01	-5.739E-01	-6.361E-01	3.0	1.0
100.200	20.4486	0.01854	1.6E 00	5.972E 00	8.204E-01	8.921E-01	-5.865E-01	-6.507E-01	3.0	1.0
100.400	20.3146	0.01884	1.6E 00	6.000E 00	8.028E-01	8.773E-01	-5.987E-01	-6.662E-01	3.0	1.0
100.600	20.1754	0.01917	1.6E 00	6.210E 00	7.855E-01	8.617E-01	-6.119E-01	-6.762E-01	3.0	1.0
100.800	20.0307	0.01952	1.6E 00	5.955E 00	7.683E-01	8.458E-01	-6.235E-01	-6.794E-01	3.0	1.0
101.000	19.8802	0.01990	1.6E 00	6.156E 00	7.511E-01	8.292E-01	-6.363E-01	-6.964E-01	3.0	1.0
101.200	19.7225	0.02041	1.7E 00	7.906E 00	6.978E-01	8.042E-01	-6.518E-01	-7.179E-01	3.0	1.0
101.400	19.5563	0.02104	1.7E 00	7.311E 00	6.768E-01	7.798E-01	-6.644E-01	-7.172E-01	3.0	1.0
101.600	19.3812	0.02172	1.7E 00	7.436E 00	6.554E-01	7.551E-01	-6.796E-01	-7.411E-01	3.0	1.0
101.800	19.1952	0.02259	1.8E 00	8.735E 00	5.936E-01	7.207E-01	-6.930E-01	-7.420E-01	3.0	1.0
102.000	18.9963	0.02367	1.7E 00	8.226E 00	5.704E-01	6.877E-01	-7.072E-01	-7.576E-01	3.0	1.0
102.200	18.7809	0.02513	1.9E 00	1.035E 01	4.875E-01	6.387E-01	-7.217E-01	-7.664E-01	3.0	1.0
102.400	18.5445	0.02703	1.8E 00	9.056E 00	4.639E-01	5.946E-01	-7.358E-01	-7.774E-01	3.0	1.0
102.600	18.2859	0.02900	1.7E 00	7.968E 00	4.425E-01	5.550E-01	-7.505E-01	-7.920E-01	3.0	1.0
102.800	17.9978	0.03194	1.9E 00	1.055E 01	3.350E-01	4.884E-01	-7.528F-01	-7.581E-01	3.0	1.0
102.948	17.7500	0.02712	2.0E 00	1.265E 01	2.364E-01	4.189E-01	-7.704E-01	-8.162E-01	7.0	-1.0
103.071	17.5000	0.02693	2.0E 00	1.284E 01	1.563E-01	3.466E-01	-7.770E-01	-7.943E-01	3.0	-1.0
103.172	17.2500	0.02717	2.0E 00	1.374E 01	7.284E-02	2.692E-01	-7.563E-01	-7.037E-01	3.0	-1.0
103.248	17.0000	0.02778	2.0E 00	1.390E 01	-1.505E-02	1.870E-01	-7.434E-01	-7.115E-01	3.0	-1.0
103.296	16.7500	0.02820	2.1E 00	1.442E 01	-1.110E-01	9.888E-02	-7.340F-01	-7.113E-01	3.0	-1.0
103.314	16.5000	0.02859	2.1E 00	1.520E 01	-2.165E-01	3.066E-03	-7.234F-01	-6.990E-01	4.0	-1.0
103.296	16.2500	0.02914	2.2E 00	1.629E 01	-3.349E-01	-1.033E-01	-7.063E-01	-6.690E-01	3.0	-1.0
103.236	16.0000	0.03015	2.2E 00	1.795E 01	-4.733E-01	-2.267E-01	-6.755E-01	-6.138E-01	4.0	-1.0
103.149	15.8000	0.02546	2.3E 00	2.047E 01	-6.302E-01	-3.480E-01	-6.338E-01	-5.366E-01	3.0	-1.0
103.007	15.6000	0.02775	2.5E 00	2.348E 01	-8.078E-01	-5.032E-01	-5.675E-01	-4.373E-01	4.0	-1.0
102.771	15.4000	0.03221	2.6E 00	2.703E 01	-1.045E 00	-7.193E-01	-4.675F-01	-3.164E-01	4.0	-1.0
102.571	15.2841	0.01930	3.2E 00	4.520E 01	-1.644E 00	-1.008E 00	-5.333E-01	-6.780E-01	7.0	1.0
102.371	15.1945	0.01461	3.4E 00	5.189E 01	-2.029E 00	-1.273E 00	-6.034E-01	-8.032E-01	3.0	1.0
102.171	15.0957	0.01099	4.6E 00	9.499E 01	-3.132E 00	-1.760E 00	-7.443E-01	-1.141E 00	3.0	1.0
101.971	15.0078	0.00811	5.6E 00	1.388E 02	-4.220E 00	-2.350E 00	-1.061E 00	-2.067E 00	3.0	1.0
101.771	14.8483	0.00676	8.7E 00	2.931E 02	-3.115E 00	-2.578E 00	-2.869E 00	-7.113E 00	4.0	1.0

101.591	14.1542	0.01159	1.0E 01	3.901E 02	2.295E 00	-0.	-7.114E 00	-8.771E 00	27.0	1.0	
101.597	14.0000	0.00186	9.4E 00	3.332E 02	4.793E 00	4.754E-01	-6.723E 00	-3.171E 00	6.0	-1.0	
101.879	13.0000	0.01505	8.0E 00	2.542E 02	4.614E 00	2.657E 00	-4.353E 00	-2.228E 00	5.0	-1.0	
102.079	12.7110	0.00593	6.3E 00	1.682E 02	4.198E 00	2.965E 00	-3.770E 00	-1.428E 00	7.0	1.0	
102.279	12.4806	0.00541	5.9E 00	1.492E 02	4.287E 00	3.193E 00	-3.325E 00	-1.199E 00	3.0	1.0	
102.479	12.2893	0.00507	5.6E 00	1.372E 02	4.363E 00	3.376E 00	-2.957E 00	-9.642E-01	3.0	1.0	
102.679	12.1270	0.00483	5.4E 00	1.268E 02	4.430E 00	3.527E 00	-2.645E 00	-7.806E-01	3.0	1.0	
102.879	11.9872	0.00466	5.2E 00	1.182E 02	4.486E 00	3.655E 00	-2.375E 00	-6.183E-01	3.0	1.0	
103.079	11.8656	0.00449	5.0E 00	1.108E 02	4.532E 00	3.765E 00	-2.137E 00	-4.758E-01	3.0	1.0	
103.279	11.7594	0.00437	4.9E 00	1.075E 02	4.560E 00	3.860E 00	-1.913E 00	-2.739E-01	3.0	1.0	
103.479	11.6660	0.00427	4.6E 00	9.619E 01	4.587E 00	3.941E 00	-1.729E 00	-2.623E-01	3.0	1.0	
103.679	11.5829	0.00419	4.4E 00	8.689E 01	4.613E 00	4.011E 00	-1.575E 00	-2.521E-01	3.0	1.0	
103.879	11.5089	0.00412	4.4E 00	8.836E 01	4.615E 00	4.074E 00	-1.416E 00	-4.015E-02	3.0	1.0	
104.079	11.4431	0.00406	4.2E 00	7.980E 01	4.624E 00	4.127E 00	-1.283E 00	-3.726E-02	3.0	1.0	
104.279	11.3849	0.00401	4.3E 00	8.459E 01	4.618E 00	4.175E 00	-1.135E 00	2.144E-01	3.0	1.0	
104.479	11.3337	0.00397	4.1E 00	7.628E 01	4.610E 00	4.216E 00	-1.009E 00	2.132E-01	3.0	1.0	
104.679	11.2886	0.00394	3.9E 00	6.918E 01	4.602E 00	4.250E 00	-9.018E-01	2.122E-01	3.0	1.0	
104.879	11.2485	0.00391	3.8E 00	6.306E 01	4.594E 00	4.279E 00	-8.085E-01	2.113E-01	3.0	1.0	
105.079	11.2127	0.00388	3.6E 00	5.772E 01	4.586E 00	4.303E 00	-7.270E-01	2.105E-01	3.0	1.0	
105.279	11.1813	0.00386	3.8E 00	6.468E 01	4.575E 00	4.326E 00	-6.294E-01	4.368E-01	3.0	1.0	
105.479	11.1542	0.00384	3.6E 00	5.920E 01	4.564E 00	4.345E 00	-5.440E-01	4.361E-01	3.0	1.0	
105.679	11.1309	0.00383	3.5E 00	5.439E 01	4.552E 00	4.361E 00	-4.687E-01	4.356E-01	3.0	1.0	
105.879	11.1110	0.00382	3.4E 00	5.013E 01	4.541E 00	4.374E 00	-4.019E-01	4.351E-01	3.0	1.0	
106.079	11.0940	0.00381	3.3E 00	4.636E 01	4.529E 00	4.385E 00	-3.424E-01	4.348E-01	3.0	1.0	
106.279	11.0802	0.00380	3.6E 00	5.632E 01	4.523E 00	4.396E 00	-2.628E-01	6.857E-01	3.0	1.0	
106.479	11.0699	0.00379	3.4E 00	5.202E 01	4.517E 00	4.405E 00	-1.920E-01	6.860E-01	3.0	1.0	
106.679	11.0626	0.00378	3.3E 00	4.818E 01	4.511E 00	4.413E 00	-1.288E-01	6.863E-01	3.0	1.0	
106.879	11.0581	0.00377	3.2E 00	4.474E 01	4.505E 00	4.419E 00	-7.212E-02	6.865E-01	3.0	1.0	
107.079	11.0560	0.00377	3.1E 00	4.164E 01	4.499E 00	4.424E 00	-2.099E-02	6.866E-01	3.0	1.0	
107.279	11.0561	0.00377	3.0E 00	3.885E 01	4.493E 00	4.429E 00	2.518E-02	6.867E-01	3.0	1.0	
107.479	11.0581	0.00376	2.9E 00	3.631E 01	4.487E 00	4.433E 00	6.729E-02	6.867E-01	3.0	1.0	
107.679	11.0620	0.00376	2.9E 00	3.401E 01	4.481E 00	4.436E 00	1.056E-01	6.866E-01	3.0	1.0	
107.879	11.0676	0.00376	2.8E 00	3.190E 01	4.475E 00	4.438E 00	1.405E-01	6.865E-01	3.0	1.0	
108.079	11.0746	0.00375	2.7E 00	2.998E 01	4.469E 00	4.440E 00	1.726E-01	6.864E-01	3.0	1.0	
108.279	11.0835	0.00375	3.1E 00	4.006E 01	4.473E 00	4.442E 00	2.209E-01	9.051E-01	3.0	1.0	
108.479	11.0944	0.00375	3.0E 00	3.742E 01	4.479E 00	4.444E 00	2.648E-01	9.043E-01	3.0	1.0	
108.679	11.1072	0.00375	2.9E 00	3.501E 01	4.484E 00	4.447E 00	3.046E-01	9.033E-01	3.0	1.0	
108.879	11.1218	0.00375	2.8E 00	3.281E 01	4.489E 00	4.449E 00	3.409E-01	9.021E-01	3.0	1.0	
109.079	11.1378	0.00374	2.7E 00	3.079E 01	4.494E 00	4.452E 00	3.740E-01	9.007E-01	3.0	1.0	
109.279	11.1553	0.00374	2.7E 00	2.893E 01	4.499E 00	4.455E 00	4.043E-01	8.992E-01	3.0	1.0	
109.479	11.1741	0.00374	2.6E 00	2.722E 01	4.505E 00	4.458E 00	4.321E-01	8.975E-01	3.0	1.0	
109.679	11.1940	0.00374	2.5E 00	2.563E 01	4.510E 00	4.460E 00	4.576E-01	8.958E-01	3.0	1.0	
109.879	11.2151	0.00374	2.5E 00	2.414E 01	4.515E 00	4.463E 00	4.810E-01	8.939E-01	3.0	1.0	
110.079	11.2371	0.00373	2.4E 00	2.279E 01	4.520E 00	4.466E 00	5.026E-01	8.919E-01	3.0	1.0	
111.079	11.3714	0.01858	2.9E 00	3.563E 01	4.594E 00	4.502E 00	7.023E-01	1.224E 00	3.0	1.0	
112.079	11.5400	0.01840	2.6E 00	2.667E 01	4.721E 00	4.556E 00	8.244E-01	1.195E 00	3.0	1.0	
113.079	11.7280	0.01816	2.4E 00	2.216E 01	4.847E 00	4.623E 00	9.013E-01	1.159E 00	3.0	1.0	
114.079	11.9265	0.01788	2.3E 00	2.071E 01	4.974E 00	4.701E 00	9.495E-01	1.118E 00	3.0	1.0	
115.079	12.1295	0.01756	2.4E 00	2.105E 01	5.100E 00	4.788E 00	9.772E-01	1.076E 00	3.0	1.0	
116.079	12.3328	0.01723	2.4E 00	2.219E 01	5.226E 00	4.885E 00	9.892E-01	1.032E 00	3.0	1.0	
117.079	12.5290	0.01688	2.5E 00	2.520E 01	5.353E 00	4.990E 00	9.878E-01	8.056E-01	3.0	1.0	
118.079	12.7128	0.01652	2.6E 00	2.616E 01	5.479E 00	5.100E 00	9.072E-01	7.666E-01	3.0	1.0	
119.079	12.8850	0.01616	2.6E 00	2.692E 01	5.605E 00	5.212E 00	8.679E-01	7.300E-01	3.0	1.0	
120.079	13.0461	0.01582	2.6E 00	2.755E 01	5.732E 00	5.326E 00	8.301E-01	6.957E-01	3.0	1.0	
121.079	13.1867	0.01556	2.9E 00	3.488E 01	5.567E 00	5.383E 00	6.754E-01	1.731E-01	3.0	1.0	
122.079	13.3021	0.01544	2.6E 00	2.628E 01	5.530E 00	5.414E 00	5.701E-01	1.765E-01	3.0	1.0	
123.079	13.4003	0.01537	2.3E 00	2.035E 01	5.492E 00	5.429E 00	4.947E-01	1.792E-01	3.0	1.0	
124.079	13.4862	0.01534	2.1E 00	1.616E 01	5.455E 00	5.434E 00	4.387E-01	1.816E-01	3.0	1.0	
125.079	13.5610	0.01534	2.2E 00	1.809E 01	5.420E 00	5.431E 00	3.734E-01	8.610E-02	3.0	1.0	
126.079	13.6252	0.01536	2.1E 00	1.489E 01	5.386E 00	5.423E 00	3.236E-01	8.815E-02	3.0	1.0	
127.079	13.6813	0.01538	2.0E 00	1.265E 01	5.352E 00	5.411E 00	2.847E-01	8.991E-02	3.0	1.0	
128.079	13.7311	0.01542	1.9E 00	1.114E 01	5.318E 00	5.396E 00	2.536E-01	9.145E-02	3.0	1.0	
129.079	13.7759	0.01547	1.9E 00	1.019E 01	5.284E 00	5.379E 00	2.282E-01	9.281E-02	3.0	1.0	
130.079	13.8164	0.01552	1.8E 00	9.659E 00	5.251E 00	5.359E 00	2.073E-01	9.403E-02	3.0	1.0	
131.079	13.8535	0.01558	1.8E 00	9.421E 00	5.217E 00	5.337E 00	1.899E-01	9.514E-02	3.0	1.0	
132.079	13.8878	0.01565	1.8E 00	9.371E 00	5.183E 00	5.313E 00	1.752E-01	9.616E-02	3.0	1.0	

131.079	13.8535	0.01558	1.8E 00	9.421E 00	5.217E 00	5.337E 00	2.073E-01	9.403E-02	3.0	1.0
132.079	13.8876	0.01565	1.8E 00	9.371E 00	5.183E 00	5.313E 00	1.752E-01	9.616E-02	3.0	1.0

133.079	13.9190	0.01572	1.9E 00	1.035E 01	5.159E 00	5.208E 00	1.550F-01	4.900E-02	3.0	1.0
134.079	13.9468	0.01579	1.8E 00	9.424E 00	5.141E 00	5.265E 00	1.383E-01	4.945E-02	3.0	1.0
135.079	13.9718	0.01586	1.8E 00	8.711E 00	5.123E 00	5.243E 00	1.246E-01	4.985E-02	3.0	1.0
136.079	13.9945	0.01593	1.7E 00	8.162F 00	5.105E 00	5.222E 00	1.132E-01	5.022E-02	3.0	1.0
137.079	14.0153	0.01599	1.7E 00	7.741E 00	5.088E 00	5.202E 00	1.037E-01	5.055E-02	3.0	1.0
138.079	14.0345	0.01605	1.7F 00	7.590E 00	5.066E 00	5.181E 00	9.571F-02	5.084E-02	3.0	1.0
139.079	14.0524	0.01611	1.7E 00	7.309F 00	5.049E 00	5.161F 00	8.890E-02	5.111E-02	3.0	1.0
140.079	14.0691	0.01618	1.7E 00	7.091E 00	5.031E 00	5.142E 00	8.332E-02	5.136E-02	3.0	1.0

-0.		27.68555		1.00000	-0.					
XNN1	YMN1	DTW	CK	REN	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	27.6846	0.08339	1.1E 00	2.372E-01	9.963E-01	9.985E-01	-1.856E-03	-4.492E-03	2.0	1.0
2.000	27.6820	0.08350	1.1F 00	1.876F-01	9.965E-01	9.975F-01	-3.404E-03	-4.492E-03	1.0	1.0
3.000	27.6782	0.08356	1.0E 00	7.265F-02	9.968E-01	9.971E-01	-4.113F-03	-4.492E-03	1.0	1.0
4.000	27.6739	0.08358	1.0E 00	2.175E-02	9.970F-01	9.971E-01	-4.451F-03	-4.491E-03	1.0	1.0
5.000	27.6694	0.08357	1.0F 00	1.305F-02	9.973E-01	9.972F-01	-4.618F-03	-4.491E-03	1.0	1.0
6.000	27.6646	0.08356	1.0E 00	2.204F-02	9.976E-01	9.974E-01	-4.807E-03	-4.700F-03	1.0	1.0
7.000	27.6598	0.08354	1.0E 00	2.689E-02	9.978E-01	9.976E-01	-4.846F-03	-4.699E-03	1.0	1.0
8.000	27.6549	0.08352	1.0F 00	2.965E-02	9.981E-01	9.979E-01	-4.846E-03	-4.699E-03	1.0	1.0
9.000	27.6501	0.08350	1.0E 00	3.072F-02	9.984E-01	9.981E-01	-4.846F-03	-4.698E-03	1.0	1.0
10.000	27.6452	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.846F-03	-4.698E-03	1.0	1.0
11.000	27.6402	0.08345	1.0E 00	3.495E-02	9.990E-01	9.987E-01	-5.139F-03	-5.132E-03	1.0	1.0
12.000	27.6350	0.08343	1.0E 00	3.208F-02	9.993E-01	9.990E-01	-5.278F-03	-5.131E-03	1.0	1.0
13.000	27.6297	0.08341	1.0F 00	3.368E-02	9.996F-01	9.993F-01	-5.278F-03	-5.131E-03	1.0	1.0
14.000	27.6245	0.08338	1.0E 00	3.394F-02	9.999E-01	9.996F-01	-5.278F-03	-5.130E-03	1.0	1.0
15.000	27.6192	0.08336	1.0F 00	3.408F-02	1.000E 00	9.999E-01	-5.278E-03	-5.130E-03	1.0	1.0
16.000	27.6137	0.08333	1.0E 00	4.564E-02	1.000E 00	1.000F 00	-5.699F-03	-5.815E-03	1.0	1.0
17.000	27.6079	0.08331	1.0E 00	3.613F-02	1.001E 00	1.000E 00	-5.904F-03	-5.815E-03	1.0	1.0
18.000	27.6020	0.08328	1.0E 00	3.667F-02	1.001E 00	1.001E 00	-5.961E-03	-5.814E-03	1.0	1.0
19.000	27.5960	0.08325	1.0E 00	3.762E-02	1.001F 00	1.001E 00	-5.961F-03	-5.813E-03	1.0	1.0
20.000	27.5901	0.08322	1.0E 00	3.782F-02	1.002E 00	1.001F 00	-5.961F-03	-5.813E-03	1.0	1.0
21.000	27.5838	0.08320	1.0F 00	6.076F-02	1.002E 00	1.002E 00	-6.534E-03	-6.795E-03	1.0	1.0
22.000	27.5772	0.08317	1.0E 00	4.291E-02	1.003E 00	1.002E 00	-6.813E-03	-6.794E-03	1.0	1.0
23.000	27.5703	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003F 00	-6.939F-03	-6.793E-03	1.0	1.0
24.000	27.5634	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.939E-03	-6.792E-03	1.0	1.0
25.000	27.5565	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.939E-03	-6.791E-03	1.0	1.0
26.000	27.5492	0.08304	1.0E 00	8.083E-02	1.004E 00	1.004E 00	-7.701E-03	-8.137E-03	1.0	1.0
27.000	27.5413	0.08301	1.0E 00	5.283E-02	1.005E 00	1.004E 00	-8.069E-03	-8.136E-03	1.0	1.0
28.000	27.5332	0.08297	1.0F 00	4.839E-02	1.005E 00	1.005F 00	-8.248E-03	-8.135E-03	1.0	1.0
29.000	27.5250	0.08294	1.0F 00	4.944E-02	1.005E 00	1.005E 00	-8.279E-03	-8.133E-03	1.0	1.0
30.000	27.5167	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.279E-03	-8.132E-03	1.0	1.0
31.000	27.5080	0.08286	1.0E 00	1.071E-01	1.006E 00	1.006F 00	-9.283E-03	-9.938E-03	1.0	1.0
32.000	27.4985	0.08282	1.0F 00	6.638E-02	1.007E 00	1.006E 00	-9.763E-03	-9.937E-03	1.0	1.0
33.000	27.4887	0.08278	1.0E 00	5.788E-02	1.007E 00	1.007E 00	-9.996F-03	-9.935E-03	1.0	1.0
34.000	27.4787	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.00HF-02	-9.933E-03	1.0	1.0
35.000	27.4687	0.08269	1.0F 00	5.918F-02	1.009E 00	1.008E 00	-1.00HF-02	-9.932E-03	1.0	1.0
36.000	27.4582	0.08265	1.0E 00	1.096E-01	1.009E 00	1.009E 00	-1.112F-02	-1.233E-02	3.0	1.0
37.000	27.4469	0.08261	1.0E 00	7.725E-02	1.010E 00	1.009E 00	-1.173E-02	-1.233E-02	3.0	1.0
38.000	27.4351	0.08257	1.0E 00	6.252E-02	1.010E 00	1.010E 00	-1.207F-02	-1.233E-02	2.0	1.0
39.000	27.4231	0.08253	1.0F 00	6.380E-02	1.011E 00	1.010E 00	-1.227E-02	-1.233E-02	2.0	1.0
40.000	27.4108	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.245F-02	-1.233E-02	1.0	1.0
41.000	27.3978	0.08241	1.1E 00	1.498E-01	1.012E 00	1.011E 00	-1.383E-02	-1.552E-02	3.0	1.0
42.000	27.3838	0.08236	1.0E 00	1.033E-01	1.013F 00	1.012E 00	-1.463E-02	-1.552E-02	3.0	1.0
43.000	27.3691	0.08231	1.0E 00	7.999E-02	1.014E 00	1.013E 00	-1.507E-02	-1.551E-02	2.0	1.0
44.000	27.3541	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.535F-02	-1.551E-02	2.0	1.0
45.000	27.3389	0.08219	1.0F 00	8.067E-02	1.015E 00	1.014E 00	-1.551F-02	-1.551E-02	2.0	1.0
46.000	27.3227	0.08213	1.1E 00	2.079F-01	1.016E 00	1.015E 00	-1.739E-02	-1.976E-02	3.0	1.0
47.000	27.3050	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.848E-02	-1.976E-02	3.0	1.0
48.000	27.2865	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.911E-02	-1.975E-02	3.0	1.0
49.000	27.2675	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.946E-02	-1.975E-02	2.0	1.0
50.000	27.2483	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.968E-02	-1.974E-02	2.0	1.0
51.000	27.2278	0.08177	1.1E 00	2.773E-01	1.021E 00	1.020E 00	-2.221E-02	-2.545E-02	3.0	1.0
52.000	27.2053	0.08169	1.1E 00	1.822E-01	1.022E 00	1.021E 00	-2.366E-02	-2.545E-02	3.0	1.0
53.000	27.1817	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.450E-02	-2.544E-02	3.0	1.0
54.000	27.1575	0.08152	1.1E 00	1.170F-01	1.024E 00	1.023E 00	-2.496F-02	-2.544E-02	2.0	1.0
55.000	27.1330	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.525E-02	-2.543E-02	2.0	1.0
56.000	27.1067	0.08135	1.1E 00	3.727E-01	1.027E 00	1.025E 00	-2.870E-02	-3.315E-02	3.0	1.0

57.000	27.0777	0.08125	1.1E 00	2.383E-01	1.028E 00	1.026E 00	-3.065E-02	-3.315E-02	3.0	1.0
58.000	27.0473	0.08115	1.1E 00	1.764E-01	1.029E 00	1.028E 00	-3.179E-02	-3.314E-02	3.0	1.0
59.000	27.0161	0.08105	1.1E 00	1.530E-01	1.031E 00	1.029E 00	-3.245E-02	-3.314E-02	3.0	1.0
60.000	26.9844	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.282E-02	-3.314E-02	2.0	1.0
61.000	26.9503	0.08085	1.1E 00	5.030E-01	1.033E 00	1.031E 00	-3.757E-02	-4.369E-02	3.0	1.0
62.000	26.9126	0.08073	1.1E 00	3.122E-01	1.035E 00	1.033E 00	-4.023E-02	-4.369E-02	3.0	1.0
63.000	26.8729	0.08062	1.1E 00	2.207E-01	1.036E 00	1.034E 00	-4.176E-02	-4.369E-02	3.0	1.0
64.000	26.8321	0.08051	1.1E 00	1.834E-01	1.038E 00	1.036E 00	-4.266E-02	-4.369E-02	3.0	1.0
65.000	26.7907	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.316E-02	-4.370E-02	2.0	1.0
66.000	26.7459	0.08028	1.2E 00	6.887E-01	1.041E 00	1.039E 00	-4.982E-02	-5.830E-02	3.0	1.0
67.000	26.6963	0.08015	1.1E 00	4.142E-01	1.043E 00	1.041E 00	-5.349E-02	-5.832E-02	3.0	1.0
68.000	26.6439	0.08002	1.1E 00	2.774E-01	1.044E 00	1.042E 00	-5.560E-02	-5.834E-02	3.0	1.0
69.000	26.5900	0.07990	1.1E 00	2.165E-01	1.046E 00	1.044E 00	-5.684E-02	-5.836E-02	3.0	1.0
70.000	26.5352	0.07977	1.1E 00	1.939E-01	1.048E 00	1.045E 00	-5.757E-02	-5.838E-02	3.0	1.0
71.000	26.4757	0.07964	1.2E 00	9.515E-01	1.050E 00	1.047E 00	-6.706E-02	-7.887E-02	3.0	1.0
72.000	26.4092	0.07951	1.1E 00	5.540E-01	1.051E 00	1.049E 00	-7.220E-02	-7.894E-02	3.0	1.0
73.000	26.3391	0.07939	1.1E 00	3.494E-01	1.053E 00	1.051E 00	-7.513E-02	-7.902E-02	3.0	1.0
74.000	26.2668	0.07927	1.1E 00	2.495E-01	1.054E 00	1.052E 00	-7.685E-02	-7.910E-02	3.0	1.0
75.000	26.1933	0.07915	1.1E 00	2.065E-01	1.056E 00	1.054E 00	-7.790E-02	-7.918E-02	3.0	1.0
76.000	26.1129	0.07902	1.2E 00	1.339E 00	1.057E 00	1.055E 00	-9.173E-02	-1.084E-01	3.0	1.0
77.000	26.0225	0.07891	1.2E 00	7.572E-01	1.059E 00	1.057E 00	-9.907E-02	-1.086E-01	3.0	1.0
78.000	25.9269	0.07881	1.1E 00	4.529E-01	1.060E 00	1.058E 00	-1.032E-01	-1.088E-01	3.0	1.0
79.000	25.8282	0.07872	1.1E 00	2.907E-01	1.061E 00	1.059E 00	-1.057E-01	-1.091E-01	3.0	1.0
80.000	25.7277	0.07863	1.1E 00	2.066E-01	1.062E 00	1.060E 00	-1.073E-01	-1.093E-01	3.0	1.0
81.000	25.6194	0.07855	1.3E 00	1.475E 00	1.063E 00	1.061E 00	-1.227E-01	-1.410E-01	3.0	1.0
82.000	25.4999	0.07848	1.2E 00	8.362E-01	1.063E 00	1.062E 00	-1.309E-01	-1.416E-01	3.0	1.0
83.000	25.3744	0.07845	1.1E 00	4.997E-01	1.063E 00	1.062E 00	-1.357E-01	-1.421E-01	3.0	1.0
84.000	25.2398	0.07845	1.2E 00	1.414E 00	1.062E 00	1.062E 00	-1.504E-01	-1.681E-01	3.0	1.0
85.000	25.0943	0.07848	1.2E 00	8.241E-01	1.061E 00	1.061E 00	-1.585E-01	-1.690E-01	3.0	1.0
86.000	24.9358	0.07855	1.3E 00	1.814E 00	1.059E 00	1.060E 00	-1.779E-01	-2.003E-01	3.0	1.0
87.000	24.7641	0.07793	1.3E 00	1.999E 00	1.100E 00	1.079E 00	-1.891E-01	-2.018E-01	3.0	1.0
88.000	24.5866	0.07695	1.2E 00	1.106E 00	1.099E 00	1.087E 00	-1.954E-01	-2.034E-01	3.0	1.0
89.000	24.3974	0.07650	1.3E 00	2.048E 00	1.095E 00	1.091E 00	-2.169E-01	-2.419E-01	3.0	1.0
90.000	24.1931	0.07637	1.2E 00	1.223E 00	1.092E 00	1.091E 00	-2.290E-01	-2.446E-01	3.0	1.0
91.000	23.9693	0.07647	1.4E 00	2.682E 00	1.085E 00	1.088E 00	-2.586E-01	-2.911E-01	3.0	1.0
91.200	23.9214	0.01532	1.3E 00	2.033E 00	1.080E 00	1.087E 00	-2.628E-01	-2.959E-01	2.0	1.0
91.400	23.8727	0.01533	1.3E 00	1.881E 00	1.078E 00	1.086E 00	-2.666E-01	-2.969E-01	2.0	1.0
91.600	23.8233	0.01535	1.3E 00	1.753E 00	1.076E 00	1.085E 00	-2.701E-01	-2.980E-01	2.0	1.0
91.800	23.7732	0.01537	1.3E 00	1.644E 00	1.074E 00	1.084E 00	-2.733E-01	-2.990E-01	2.0	1.0
92.000	23.7224	0.01538	1.3E 00	1.552E 00	1.072E 00	1.083E 00	-2.762E-01	-3.001E-01	2.0	1.0
92.200	23.6711	0.01540	1.3E 00	1.475E 00	1.071E 00	1.081E 00	-2.790E-01	-3.012E-01	2.0	1.0
92.400	23.6193	0.01542	1.2E 00	1.410E 00	1.069E 00	1.080E 00	-2.815E-01	-3.023E-01	2.0	1.0
92.600	23.5669	0.01544	1.2E 00	1.356E 00	1.067E 00	1.079E 00	-2.839E-01	-3.034E-01	2.0	1.0
92.800	23.5136	0.01546	1.4E 00	3.087E 00	1.064E 00	1.077E 00	-2.907E-01	-3.405E-01	2.0	1.0
93.000	23.4590	0.01549	1.4E 00	2.834E 00	1.061E 00	1.075E 00	-2.969E-01	-3.420E-01	2.0	1.0
93.200	23.4032	0.01552	1.4E 00	2.623E 00	1.058E 00	1.073E 00	-3.024E-01	-3.436E-01	2.0	1.0
93.400	23.3463	0.01555	1.3E 00	2.448E 00	1.055E 00	1.071E 00	-3.074E-01	-3.451E-01	2.0	1.0
93.600	23.2884	0.01558	1.3E 00	2.302E 00	1.052E 00	1.069E 00	-3.120E-01	-3.467E-01	2.0	1.0
93.800	23.2294	0.01561	1.4E 00	2.958E 00	1.049E 00	1.066E 00	-3.183E-01	-3.644E-01	2.0	1.0
94.000	23.1691	0.01565	1.4E 00	2.761E 00	1.046E 00	1.064E 00	-3.241E-01	-3.663E-01	2.0	1.0
94.200	23.1076	0.01568	1.4E 00	2.598E 00	1.042E 00	1.061E 00	-3.294E-01	-3.682E-01	2.0	1.0
94.400	23.0449	0.01572	1.4E 00	2.827E 00	1.038E 00	1.059E 00	-3.352E-01	-3.777E-01	2.0	1.0
94.600	22.9809	0.01577	1.4E 00	2.932E 00	1.034E 00	1.056E 00	-3.413E-01	-3.852E-01	2.0	1.0
94.800	22.9157	0.01577	1.4E 00	2.896E 00	1.073E 00	1.058E 00	-3.477E-01	-3.935E-01	2.0	1.0
95.000	22.8493	0.01575	1.4E 00	2.903E 00	1.068E 00	1.059E 00	-3.543E-01	-4.018E-01	2.0	1.0
95.200	22.7818	0.01574	1.4E 00	2.677E 00	1.062E 00	1.059E 00	-3.604E-01	-4.049E-01	2.0	1.0
95.400	22.7131	0.01574	1.4E 00	2.955E 00	1.057E 00	1.059E 00	-3.672E-01	-4.163E-01	2.0	1.0
95.600	22.6432	0.01575	1.4E 00	2.801E 00	1.051E 00	1.058E 00	-3.736E-01	-4.197E-01	2.0	1.0
95.800	22.5718	0.01576	1.4E 00	3.272E 00	1.045E 00	1.056E 00	-3.811E-01	-4.342E-01	2.0	1.0
96.000	22.4989	0.01579	1.4E 00	3.145E 00	1.038E 00	1.054E 00	-3.882E-01	-4.380E-01	2.0	1.0
96.200	22.4245	0.01583	1.4E 00	3.062E 00	1.032E 00	1.051E 00	-3.946E-01	-4.419E-01	2.0	1.0
96.400	22.3484	0.01588	1.5E 00	3.868E 00	1.024E 00	1.048E 00	-4.036E-01	-4.627E-01	3.0	1.0
96.600	22.2705	0.01594	1.5E 00	3.723E 00	1.017E 00	1.044E 00	-4.118E-01	-4.672E-01	2.0	1.0
96.800	22.1907	0.01600	1.4E 00	3.643E 00	1.009E 00	1.039E 00	-4.195E-01	-4.719E-01	2.0	1.0
97.000	22.1090	0.01607	1.4E 00	3.591E 00	1.002E 00	1.035E 00	-4.269E-01	-4.766E-01	2.0	1.0
97.200	22.0256	0.01615	1.4E 00	3.560E 00	9.943E-01	1.029E 00	-4.339E-01	-4.814E-01	2.0	1.0

97.200	22.0256	0.01615	1.4E 00	3.560E 00	9.943E-01	1.029E 00	-4.339E-01	-4.814E-01	2.0	1.0

97.400	21.9401	0.01624	1.5E 00	4.538E 00	9.847E-01	1.023E 00	-4.440E-01	-5.076E-01	3.0	1.0
97.600	21.8521	0.01634	1.5E 00	4.529E 00	9.758E-01	1.017E 00	-4.535E-01	-5.134E-01	3.0	1.0
97.800	21.7617	0.01645	1.5E 00	4.322E 00	9.669E-01	1.010E 00	-4.625E-01	-5.194E-01	2.0	1.0
98.000	21.6690	0.01656	1.5E 00	4.273E 00	9.580E-01	1.003E 00	-4.711E-01	-5.255E-01	2.0	1.0
98.200	21.5739	0.01668	1.5E 00	4.240E 00	9.491E-01	9.956E-01	-4.794E-01	-5.318E-01	2.0	1.0
98.400	21.4761	0.01681	1.5E 00	4.972E 00	9.382E-01	9.873E-01	-4.903E-01	-5.549E-01	3.0	1.0
98.600	21.3753	0.01695	1.5E 00	4.890E 00	9.280E-01	9.788E-01	-5.006E-01	-5.622E-01	3.0	1.0
98.800	21.2715	0.01710	1.5E 00	4.830E 00	9.178E-01	9.700E-01	-5.107E-01	-5.698E-01	3.0	1.0
99.000	21.1647	0.01726	1.5E 00	4.787E 00	9.076E-01	9.609E-01	-5.205E-01	-5.775E-01	3.0	1.0
99.200	21.0548	0.01743	1.5E 00	4.720E 00	8.974E-01	9.516E-01	-5.300E-01	-5.855E-01	2.0	1.0
99.400	20.9418	0.01760	1.5E 00	4.943E 00	8.863E-01	9.419E-01	-5.402E-01	-5.983E-01	3.0	1.0
99.600	20.8253	0.01780	1.6E 00	5.146E 00	8.714E-01	9.311E-01	-5.507E-01	-6.092E-01	3.0	1.0
99.800	20.7050	0.01801	1.6E 00	5.444E 00	8.544E-01	9.192E-01	-5.618E-01	-6.217E-01	3.0	1.0
100.000	20.5806	0.01826	1.6E 00	5.732E 00	8.374E-01	9.061E-01	-5.736E-01	-6.358E-01	3.0	1.0
100.200	20.4516	0.01854	1.6E 00	5.969E 00	8.204E-01	8.922E-01	-5.862E-01	-6.504E-01	3.0	1.0
100.400	20.3177	0.01884	1.6E 00	5.998E 00	8.028E-01	8.773E-01	-5.984E-01	-6.599E-01	3.0	1.0
100.600	20.1786	0.01917	1.6E 00	6.208E 00	7.855E-01	8.618E-01	-6.116E-01	-6.758E-01	3.0	1.0
100.800	20.0340	0.01952	1.6E 00	5.954E 00	7.683E-01	8.458E-01	-6.232E-01	-6.791E-01	3.0	1.0
101.000	19.8836	0.01990	1.6E 00	6.154E 00	7.511E-01	8.292E-01	-6.360E-01	-6.960E-01	3.0	1.0
101.200	19.7260	0.02041	1.7E 00	7.902E 00	6.978E-01	8.042E-01	-6.515E-01	-7.174E-01	3.0	1.0
101.400	19.5599	0.02104	1.7E 00	7.308E 00	6.768E-01	7.798E-01	-6.640E-01	-7.167E-01	3.0	1.0
101.600	19.3848	0.02172	1.7E 00	7.434E 00	6.554E-01	7.551E-01	-6.792E-01	-7.406E-01	3.0	1.0
101.800	19.1989	0.02259	1.8E 00	8.733E 00	5.936E-01	7.207E-01	-6.925E-01	-7.414E-01	3.0	1.0
102.000	19.0002	0.02367	1.7E 00	8.224E 00	5.704E-01	6.877E-01	-7.067E-01	-7.570E-01	3.0	1.0
102.200	18.7880	0.02479	1.7E 00	7.560E 00	5.490E-01	6.567E-01	-7.200E-01	-7.657E-01	3.0	1.0
102.400	18.5580	0.02636	1.8E 00	9.912E 00	4.639E-01	6.080E-01	-7.342E-01	-7.762E-01	3.0	1.0
102.600	18.3052	0.02842	1.8E 00	8.581E 00	4.425E-01	5.649E-01	-7.487E-01	-7.899E-01	3.0	1.0
102.800	18.0224	0.03143	1.9E 00	1.103E 01	3.350E-01	4.955E-01	-7.508E-01	-7.555E-01	3.0	1.0
103.000	17.6978	0.03569	1.8E 00	8.779E 00	3.158E-01	4.384E-01	-7.647E-01	-7.944E-01	3.0	1.0
103.104	17.5000	0.02145	2.1E 00	1.437E 01	1.524E-01	3.718E-01	-7.724E-01	-7.975E-01	7.0	-1.0
103.212	17.2500	0.02732	2.1E 00	1.481E 01	7.273E-02	2.850E-01	-7.525E-01	-7.037E-01	3.0	-1.0
103.293	17.0000	0.02791	2.1E 00	1.454E 01	-1.413E-02	1.971E-01	-7.405E-01	-7.115E-01	3.0	-1.0
103.344	16.7500	0.02830	2.1E 00	1.473E 01	-1.082E-01	1.060E-01	-7.318E-01	-7.113E-01	3.0	-1.0
103.364	16.5000	0.02866	2.1E 00	1.525E 01	-2.107E-01	9.485E-03	-7.219E-01	-6.990E-01	4.0	-1.0
103.349	16.2500	0.02920	2.1E 00	1.610E 01	-3.247E-01	-9.553E-02	-7.053E-01	-6.690E-01	3.0	-1.0
103.293	16.0000	0.03019	2.2E 00	1.755E 01	-4.565E-01	-2.152E-01	-6.750E-01	-6.138E-01	4.0	-1.0
103.209	15.8000	0.02547	2.3E 00	1.985E 01	-6.045E-01	-3.312E-01	-6.338E-01	-5.366E-01	3.0	-1.0
103.074	15.6000	0.02773	2.4E 00	2.269E 01	-7.715E-01	-4.781E-01	-5.683E-01	-4.373E-01	4.0	-1.0
102.852	15.4000	0.03211	2.5E 00	2.556E 01	-9.810E-01	-6.746E-01	-4.699E-01	-3.164E-01	4.0	-1.0
102.652	15.2834	0.02074	3.0E 00	3.906E 01	-1.495E 00	-9.327E-01	-4.675E-01	-4.621E-01	7.0	1.0
102.452	15.1893	0.01583	3.2E 00	4.566E 01	-1.840E 00	-1.173E 00	-5.232E-01	-6.780E-01	3.0	1.0
102.252	15.1137	0.01160	4.6E 00	9.412E 01	-3.098E 00	-1.700E 00	-5.615E-01	-6.630E-01	3.0	1.0

WATRAT= 0. AVS= 5.05693537E-01
XP= 1.02317448E 02 YP= 1.51382981E 01 WATER 0.020931

-0. 28.00000 1.00000 -0.

XNN1	YNN1	OTH	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	27.9991	0.08339	1.1E 00	2.381E-01	9.963E-01	9.985E-01	-1.871E-03	-4.523E-03	2.0	1.0
2.000	27.9964	0.08350	1.1E 00	1.884E-01	9.965E-01	9.975E-01	-3.427E-03	-4.523E-03	1.0	1.0
3.000	27.9926	0.08356	1.0E 00	7.305E-02	9.968E-01	9.971E-01	-4.140E-03	-4.523E-03	1.0	1.0
4.000	27.9883	0.08358	1.0E 00	2.198E-02	9.970E-01	9.971E-01	-4.481E-03	-4.523E-03	1.0	1.0
5.000	27.9837	0.08357	1.0E 00	1.307E-02	9.973E-01	9.972E-01	-4.649E-03	-4.522E-03	1.0	1.0
6.000	27.9790	0.08356	1.0E 00	2.208E-02	9.976E-01	9.974E-01	-4.838E-03	-4.733E-03	1.0	1.0
7.000	27.9741	0.08354	1.0E 00	2.687E-02	9.978E-01	9.976E-01	-4.879E-03	-4.732E-03	1.0	1.0
8.000	27.9692	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.879E-03	-4.732E-03	1.0	1.0
9.000	27.9643	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.879E-03	-4.731E-03	1.0	1.0
10.000	27.9594	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.879E-03	-4.731E-03	1.0	1.0
11.000	27.9544	0.08345	1.0E 00	3.501E-02	9.990E-01	9.987E-01	-5.173E-03	-5.167E-03	1.0	1.0
12.000	27.9491	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.314E-03	-5.167E-03	1.0	1.0
13.000	27.9438	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.314E-03	-5.166E-03	1.0	1.0
14.000	27.9385	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.314E-03	-5.165E-03	1.0	1.0
15.000	27.9332	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.314E-03	-5.165E-03	1.0	1.0
16.000	27.9277	0.08333	1.0E 00	4.576E-02	1.000E 00	1.000E 00	-5.736E-03	-5.854E-03	1.0	1.0

17.000	27.9218	0.08331	1.0E 00	3.614E-02	1.001E 00	1.000E 00	-5.942E-03	-5.853E-03	1.0	1.0
18.000	27.9159	0.08328	1.0E 00	3.666E-02	1.001E 00	1.001E 00	-5.999E-03	-5.852E-03	1.0	1.0
19.000	27.9099	0.08325	1.0E 00	3.763E-02	1.001E 00	1.001E 00	-5.999E-03	-5.852E-03	1.0	1.0
20.000	27.9039	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-5.999E-03	-5.851E-03	1.0	1.0
21.000	27.8976	0.08320	1.0E 00	6.094E-02	1.002E 00	1.002E 00	-6.575E-03	-6.837E-03	1.0	1.0
22.000	27.8909	0.08317	1.0E 00	4.295E-02	1.003E 00	1.002E 00	-6.854E-03	-6.836E-03	1.0	1.0
23.000	27.8840	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-6.982E-03	-6.836E-03	1.0	1.0
24.000	27.8770	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-6.982E-03	-6.835E-03	1.0	1.0
25.000	27.8701	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-6.982E-03	-6.834E-03	1.0	1.0
26.000	27.8627	0.08304	1.0E 00	8.108E-02	1.004E 00	1.004E 00	-7.747E-03	-8.185E-03	1.0	1.0
27.000	27.8548	0.08301	1.0E 00	5.289E-02	1.005E 00	1.004E 00	-8.115E-03	-8.184E-03	1.0	1.0
28.000	27.8467	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.296E-03	-8.182E-03	1.0	1.0
29.000	27.8384	0.08294	1.0E 00	4.944E-02	1.005E 00	1.005E 00	-8.327E-03	-8.181E-03	1.0	1.0
30.000	27.8301	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.327E-03	-8.180E-03	1.0	1.0
31.000	27.8213	0.08286	1.0E 00	1.074E-01	1.006E 00	1.006E 00	-9.334E-03	-9.992E-03	1.0	1.0
32.000	27.8118	0.08282	1.0E 00	6.646E-02	1.007E 00	1.006E 00	-9.815E-03	-9.990E-03	1.0	1.0
33.000	27.8019	0.08278	1.0E 00	5.789E-02	1.007E 00	1.007E 00	-1.005E-02	-9.989E-03	1.0	1.0
34.000	27.7919	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.013E-02	-9.987E-03	1.0	1.0
35.000	27.7819	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.013E-02	-9.985E-03	1.0	1.0
36.000	27.7713	0.08265	1.0E 00	1.099E-01	1.009E 00	1.008E 00	-1.118E-02	-1.239E-02	3.0	1.0
37.000	27.7599	0.08261	1.0E 00	7.735E-02	1.010E 00	1.009E 00	-1.179E-02	-1.239E-02	3.0	1.0
38.000	27.7481	0.08257	1.0E 00	6.255E-02	1.010E 00	1.010E 00	-1.212E-02	-1.239E-02	2.0	1.0
39.000	27.7360	0.08253	1.0E 00	6.380E-02	1.011E 00	1.010E 00	-1.233E-02	-1.239E-02	2.0	1.0
40.000	27.7237	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.250E-02	-1.239E-02	1.0	1.0
41.000	27.7106	0.08241	1.1E 00	1.501E-01	1.012E 00	1.011E 00	-1.387E-02	-1.558E-02	3.0	1.0
42.000	27.6965	0.08236	1.0E 00	1.034E-01	1.013E 00	1.012E 00	-1.469E-02	-1.558E-02	3.0	1.0
43.000	27.6818	0.08231	1.0E 00	8.002E-02	1.014E 00	1.013E 00	-1.514E-02	-1.558E-02	2.0	1.0
44.000	27.6667	0.08225	1.0E 00	7.897E-02	1.015E 00	1.014E 00	-1.541E-02	-1.557E-02	2.0	1.0
45.000	27.6514	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.558E-02	-1.557E-02	2.0	1.0
46.000	27.6351	0.08213	1.1E 00	2.079E-01	1.016E 00	1.015E 00	-1.746E-02	-1.983E-02	3.0	1.0
47.000	27.6174	0.08206	1.1E 00	1.402E-01	1.017E 00	1.016E 00	-1.854E-02	-1.982E-02	3.0	1.0
48.000	27.5989	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.918E-02	-1.982E-02	3.0	1.0
49.000	27.5798	0.08192	1.0E 00	9.592E-02	1.019E 00	1.018E 00	-1.953E-02	-1.981E-02	2.0	1.0
50.000	27.5605	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.974E-02	-1.981E-02	2.0	1.0
51.000	27.5399	0.08177	1.1E 00	2.770E-01	1.021E 00	1.020E 00	-2.227E-02	-2.551E-02	3.0	1.0
52.000	27.5174	0.08169	1.1E 00	1.821E-01	1.022E 00	1.021E 00	-2.372E-02	-2.550E-02	3.0	1.0
53.000	27.4938	0.08161	1.1E 00	1.404E-01	1.023E 00	1.022E 00	-2.456E-02	-2.550E-02	3.0	1.0
54.000	27.4695	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.502E-02	-2.550E-02	2.0	1.0
55.000	27.4449	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.531E-02	-2.549E-02	2.0	1.0
56.000	27.4185	0.08135	1.1E 00	3.717E-01	1.027E 00	1.025E 00	-2.875E-02	-3.319E-02	3.0	1.0
57.000	27.3896	0.08125	1.1E 00	2.378E-01	1.028E 00	1.026E 00	-3.070E-02	-3.318E-02	3.0	1.0
58.000	27.3591	0.08115	1.1E 00	1.762E-01	1.029E 00	1.028E 00	-3.183E-02	-3.318E-02	3.0	1.0
59.000	27.3278	0.08105	1.1E 00	1.529E-01	1.031E 00	1.029E 00	-3.249E-02	-3.318E-02	3.0	1.0
60.000	27.2961	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.285E-02	-3.317E-02	2.0	1.0
61.000	27.2619	0.08085	1.1E 00	5.007E-01	1.033E 00	1.031E 00	-3.758E-02	-4.367E-02	3.0	1.0
62.000	27.2242	0.08073	1.1E 00	3.110E-01	1.035E 00	1.033E 00	-4.023E-02	-4.367E-02	3.0	1.0
63.000	27.1846	0.08052	1.1E 00	2.202E-01	1.036E 00	1.034E 00	-4.175E-02	-4.367E-02	3.0	1.0
64.000	27.1438	0.08051	1.1E 00	1.832E-01	1.038E 00	1.036E 00	-4.265E-02	-4.367E-02	3.0	1.0
65.000	27.1024	0.08039	1.1E 00	1.593E-01	1.040E 00	1.037E 00	-4.314E-02	-4.368E-02	2.0	1.0
66.000	27.0577	0.08028	1.2E 00	6.837E-01	1.041E 00	1.039E 00	-4.975E-02	-5.816E-02	3.0	1.0
67.000	27.0081	0.08015	1.1E 00	4.116E-01	1.043E 00	1.041E 00	-5.340E-02	-5.818E-02	3.0	1.0
68.000	26.9558	0.08002	1.1E 00	2.762E-01	1.044E 00	1.042E 00	-5.549E-02	-5.820E-02	3.0	1.0
69.000	26.9020	0.07990	1.1E 00	2.161E-01	1.046E 00	1.044E 00	-5.671E-02	-5.823E-02	3.0	1.0
70.000	26.8474	0.07977	1.1E 00	1.938E-01	1.048E 00	1.045E 00	-5.745E-02	-5.825E-02	3.0	1.0
71.000	26.7880	0.07964	1.2E 00	9.413E-01	1.050E 00	1.047E 00	-6.681E-02	-7.850E-02	3.0	1.0
72.000	26.7218	0.07951	1.1E 00	5.487E-01	1.051E 00	1.049E 00	-7.190E-02	-7.857E-02	3.0	1.0
73.000	26.6519	0.07939	1.1E 00	3.467E-01	1.053E 00	1.051E 00	-7.480E-02	-7.865E-02	3.0	1.0
74.000	26.5800	0.07927	1.1E 00	2.483E-01	1.054E 00	1.052E 00	-7.651E-02	-7.873E-02	3.0	1.0
75.000	26.5068	0.07915	1.1E 00	2.060E-01	1.056E 00	1.054E 00	-7.755E-02	-7.881E-02	3.0	1.0
76.000	26.4268	0.07902	1.2E 00	1.319E 00	1.057E 00	1.055E 00	-9.114E-02	-1.075E-01	3.0	1.0
77.000	26.3371	0.07891	1.2E 00	7.469E-01	1.059E 00	1.057E 00	-9.837E-02	-1.077E-01	3.0	1.0
78.000	26.2422	0.07881	1.1E 00	4.473E-01	1.060E 00	1.058E 00	-1.025E-01	-1.080E-01	3.0	1.0
79.000	26.1442	0.07872	1.1E 00	2.877E-01	1.061E 00	1.059E 00	-1.049E-01	-1.082E-01	3.0	1.0
80.000	26.0445	0.07863	1.1E 00	2.051E-01	1.062E 00	1.060E 00	-1.065E-01	-1.085E-01	3.0	1.0
81.000	25.9370	0.07855	1.2E 00	1.446E 00	1.063E 00	1.061E 00	-1.215E-01	-1.395E-01	3.0	1.0
82.000	25.8188	0.07848	1.2E 00	8.207E-01	1.063E 00	1.062E 00	-1.296E-01	-1.400E-01	3.0	1.0

[illegible]	[illegible]	0.07848	1.2E 00	8.207E-01	[illegible]	[illegible]	-1.215E-01	-1.395E-01	3.0	1.0
[illegible]	[illegible]	0.07848	1.2E 00	8.207E-01	1.063E 00	1.062E 00	-1.296E-01	-1.400E-01	3.0	1.0
83.000	25.6946	0.07845	1.1E 00	4.910E-01	1.063E 00	1.062E 00	-1.343E-01	-1.406E-01	3.0	1.0
84.000	25.5614	0.07845	1.2E 00	1.383E 00	1.062E 00	1.062E 00	-1.486E-01	-1.659E-01	3.0	1.0
85.000	25.4177	0.07848	1.2E 00	8.073E-01	1.061E 00	1.061E 00	-1.566E-01	-1.668E-01	3.0	1.0
86.000	25.2612	0.07855	1.3E 00	1.769E 00	1.059E 00	1.060E 00	-1.754E-01	-1.973E-01	3.0	1.0
87.000	25.0907	0.07867	1.2E 00	1.042E 00	1.056E 00	1.058E 00	-1.858E-01	-1.987E-01	3.0	1.0
88.000	24.9120	0.07883	1.2E 00	6.861E-01	1.053E 00	1.056E 00	-1.921E-01	-2.003E-01	3.0	1.0
89.000	24.7215	0.07822	1.4E 00	2.568E 00	1.095E 00	1.075E 00	-2.139E-01	-2.373E-01	3.0	1.0
90.000	24.5178	0.07726	1.2E 00	1.359E 00	1.092E 00	1.082E 00	-2.256E-01	-2.400E-01	3.0	1.0
91.000	24.2966	0.07695	1.4E 00	2.526E 00	1.085E 00	1.084E 00	-2.534E-01	-2.842E-01	3.0	1.0
91.200	24.2495	0.01538	1.3E 00	1.897E 00	1.080E 00	1.083E 00	-2.574E-01	-2.889E-01	2.0	1.0
91.400	24.2016	0.01539	1.3E 00	1.752E 00	1.078E 00	1.083E 00	-2.610E-01	-2.899E-01	2.0	1.0
91.600	24.1531	0.01540	1.3E 00	1.629E 00	1.076E 00	1.082E 00	-2.643E-01	-2.910E-01	2.0	1.0
91.800	24.1039	0.01541	1.3E 00	1.526E 00	1.074E 00	1.081E 00	-2.674E-01	-2.920E-01	2.0	1.0
92.000	24.0542	0.01542	1.2E 00	1.441E 00	1.072E 00	1.080E 00	-2.702E-01	-2.930E-01	2.0	1.0
92.200	24.0039	0.01544	1.2E 00	1.371E 00	1.071E 00	1.079E 00	-2.728E-01	-2.941E-01	2.0	1.0
92.400	23.9531	0.01545	1.2E 00	1.313E 00	1.069E 00	1.078E 00	-2.752E-01	-2.952E-01	2.0	1.0
92.600	23.9018	0.01547	1.2E 00	1.265E 00	1.067E 00	1.077E 00	-2.775E-01	-2.963E-01	2.0	1.0
92.800	23.8496	0.01549	1.4E 00	2.909E 00	1.064E 00	1.075E 00	-2.839E-01	-3.310E-01	2.0	1.0
93.000	23.7962	0.01551	1.4E 00	2.677E 00	1.061E 00	1.074E 00	-2.897E-01	-3.325E-01	2.0	1.0
93.200	23.7417	0.01554	1.4E 00	2.484E 00	1.058E 00	1.072E 00	-2.949E-01	-3.340E-01	2.0	1.0
93.400	23.6862	0.01556	1.3E 00	2.324E 00	1.055E 00	1.070E 00	-2.996E-01	-3.356E-01	2.0	1.0
93.600	23.6298	0.01559	1.3E 00	2.192E 00	1.052E 00	1.068E 00	-3.040E-01	-3.371E-01	2.0	1.0
93.800	23.5722	0.01562	1.4E 00	2.807E 00	1.049E 00	1.066E 00	-3.100E-01	-3.536E-01	2.0	1.0
94.000	23.5135	0.01566	1.4E 00	2.629E 00	1.046E 00	1.063E 00	-3.154E-01	-3.555E-01	2.0	1.0
94.200	23.4536	0.01569	1.4E 00	2.483E 00	1.042E 00	1.061E 00	-3.204E-01	-3.573E-01	2.0	1.0
94.400	23.3926	0.01573	1.4E 00	2.699E 00	1.038E 00	1.058E 00	-3.259E-01	-3.663E-01	2.0	1.0
94.600	23.3304	0.01577	1.4E 00	2.801E 00	1.034E 00	1.055E 00	-3.317E-01	-3.733E-01	2.0	1.0
94.800	23.2669	0.01582	1.4E 00	2.917E 00	1.030E 00	1.052E 00	-3.377E-01	-3.810E-01	2.0	1.0
95.000	23.2020	0.01586	1.4E 00	2.999E 00	1.026E 00	1.049E 00	-3.439E-01	-3.882E-01	2.0	1.0
95.200	23.1357	0.01591	1.4E 00	2.850E 00	1.022E 00	1.046E 00	-3.497E-01	-3.906E-01	2.0	1.0
95.400	23.0681	0.01597	1.4E 00	3.075E 00	1.017E 00	1.042E 00	-3.560E-01	-4.005E-01	2.0	1.0
95.600	22.9991	0.01602	1.4E 00	2.935E 00	1.012E 00	1.038E 00	-3.618E-01	-4.031E-01	2.0	1.0
95.800	22.9288	0.01605	1.4E 00	2.842E 00	1.045E 00	1.039E 00	-3.685E-01	-4.154E-01	2.0	1.0
96.000	22.8573	0.01604	1.4E 00	2.672E 00	1.038E 00	1.039E 00	-3.747E-01	-4.191E-01	2.0	1.0
96.200	22.7846	0.01605	1.4E 00	2.572E 00	1.032E 00	1.038E 00	-3.805E-01	-4.229E-01	2.0	1.0
96.400	22.7105	0.01607	1.4E 00	3.285E 00	1.024E 00	1.036E 00	-3.882E-01	-4.414E-01	2.0	1.0
96.600	22.6348	0.01610	1.4E 00	3.200E 00	1.017E 00	1.034E 00	-3.955E-01	-4.458E-01	2.0	1.0
96.800	22.5575	0.01614	1.4E 00	3.159E 00	1.009E 00	1.031E 00	-4.024E-01	-4.503E-01	2.0	1.0
97.000	22.4786	0.01620	1.4E 00	3.150E 00	1.002E 00	1.027E 00	-4.091E-01	-4.548E-01	2.0	1.0
97.200	22.3981	0.01626	1.4E 00	3.162E 00	9.943E-01	1.023E 00	-4.155E-01	-4.595E-01	2.0	1.0
97.400	22.3158	0.01633	1.5E 00	4.042E 00	9.847E-01	1.018E 00	-4.245E-01	-4.824E-01	3.0	1.0
97.600	22.2313	0.01642	1.5E 00	3.986E 00	9.758E-01	1.012E 00	-4.330E-01	-4.880E-01	2.0	1.0
97.800	22.1447	0.01652	1.5E 00	3.965E 00	9.669E-01	1.006E 00	-4.412E-01	-4.937E-01	2.0	1.0
98.000	22.0560	0.01662	1.5E 00	3.960E 00	9.580E-01	9.996E-01	-4.491E-01	-4.996E-01	2.0	1.0
98.200	21.9650	0.01673	1.5E 00	3.965E 00	9.491E-01	9.928E-01	-4.567E-01	-5.056E-01	2.0	1.0
98.400	21.8717	0.01685	1.5E 00	4.614E 00	9.382E-01	9.851E-01	-4.665E-01	-5.257E-01	3.0	1.0
98.600	21.7756	0.01699	1.5E 00	4.581E 00	9.280E-01	9.769E-01	-4.760E-01	-5.326E-01	3.0	1.0
98.800	21.6768	0.01713	1.5E 00	4.530E 00	9.178E-01	9.685E-01	-4.851E-01	-5.398E-01	2.0	1.0
99.000	21.5752	0.01729	1.5E 00	4.526E 00	9.076E-01	9.598E-01	-4.940E-01	-5.472E-01	2.0	1.0
99.200	21.4709	0.01745	1.5E 00	4.528E 00	8.974E-01	9.508E-01	-5.028E-01	-5.548E-01	2.0	1.0
99.400	21.3636	0.01762	1.5E 00	4.720E 00	8.863E-01	9.412E-01	-5.122E-01	-5.659E-01	3.0	1.0
99.600	21.2532	0.01780	1.5E 00	4.688E 00	8.755E-01	9.315E-01	-5.214E-01	-5.743E-01	2.0	1.0
99.800	21.1397	0.01799	1.5E 00	4.653E 00	8.645E-01	9.215E-01	-5.304E-01	-5.813E-01	2.0	1.0
100.000	21.0229	0.01819	1.5E 00	4.687E 00	8.534E-01	9.112E-01	-5.395E-01	-5.902E-01	2.0	1.0
100.200	20.9028	0.01840	1.5E 00	4.714E 00	8.424E-01	9.007E-01	-5.486E-01	-5.994E-01	2.0	1.0
100.400	20.7788	0.01867	1.6E 00	5.889E 00	8.028E-01	8.847E-01	-5.581E-01	-6.063E-01	3.0	1.0
100.600	20.6503	0.01902	1.6E 00	6.078E 00	7.855E-01	8.680E-01	-5.687E-01	-6.210E-01	3.0	1.0
100.800	20.5169	0.01939	1.6E 00	5.890E 00	7.683E-01	8.511E-01	-5.781E-01	-6.238E-01	3.0	1.0
101.000	20.3784	0.01978	1.6E 00	6.051E 00	7.511E-01	8.337E-01	-5.884E-01	-6.394E-01	3.0	1.0
101.200	20.2342	0.02021	1.6E 00	6.182E 00	7.340E-01	8.160E-01	-6.007E-01	-6.557E-01	3.0	1.0
101.400	20.0842	0.02065	1.6E 00	5.670E 00	7.180E-01	7.986E-01	-6.097E-01	-6.512E-01	3.0	1.0
101.600	19.9285	0.02110	1.6E 00	5.800E 00	7.017E-01	7.809E-01	-6.204E-01	-6.680E-01	3.0	1.0
101.800	19.7654	0.02175	1.7E 00	7.738E 00	6.354E-01	7.517E-01	-6.294E-01	-6.651E-01	3.0	1.0
102.000	19.5935	0.02259	1.7E 00	7.268E 00	6.161E-01	7.241E-01	-6.389E-01	-6.758E-01	3.0	1.0
102.200	19.4126	0.02344	1.7E 00	6.713E 00	5.983E-01	6.980E-01	-6.476E-01	-6.809E-01	3.0	1.0
102.400	19.2204	0.024[illegible]	1.8E 00	8.637E 00	5.294E-01	6.593E-01	-6.563E-01	-6.852E-01	3.0	1.0

102.600	19.0146	0.02596	1.7E 00	7.619E 00	5.114E-01	6.248E-01	-6.652E-01	-6.941E-01	3.0	1.0
102.800	18.7964	0.02734	1.6E 00	6.392E 00	4.966E-01	5.966E-01	-6.655E-01	-6.663E-01	3.0	1.0
103.000	18.5613	0.02927	1.8E 00	9.175E 00	4.087E-01	5.442E-01	-6.729E-01	-6.926E-01	3.0	1.0
103.200	18.3037	0.03182	1.7E 00	7.243E 00	3.960E-01	5.033E-01	-6.764E-01	-6.855E-01	3.0	1.0
103.400	18.0182	0.03547	1.8E 00	9.857E 00	2.976E-01	4.365E-01	-6.654E-01	-6.423E-01	3.0	1.0
103.600	17.6951	0.04047	1.7E 00	6.923E 00	2.892E-01	3.872E-01	-6.651E-01	-6.644E-01	3.0	1.0
103.707	17.5000	0.02497	2.0E 00	1.303E 01	1.452E-01	3.245E-01	-6.372E-01	-5.570E-01	7.0	-1.0
103.821	17.2500	0.03340	2.0E 00	1.209E 01	8.261E-02	2.458E-01	-6.102E-01	-5.542E-01	3.0	-1.0
103.908	17.0000	0.03475	1.9E 00	1.111E 01	1.954E-02	1.714E-01	-5.888E-01	-5.449E-01	3.0	-1.0
103.966	16.7500	0.03602	1.9E 00	1.057E 01	-4.480E-02	9.899E-02	-5.681E-01	-5.268E-01	3.0	-1.0
103.995	16.5000	0.03748	1.9E 00	1.035E 01	-1.106E-01	2.662E-02	-5.437E-01	-4.971E-01	4.0	-1.0
103.990	16.2500	0.03951	1.9E 00	1.042E 01	-1.789E-01	-4.729E-02	-5.109E-01	-4.526E-01	4.0	-1.0
103.945	16.0000	0.04274	1.9E 00	1.087E 01	-2.529E-01	-1.271E-01	-4.638E-01	-3.895E-01	4.0	-1.0
103.870	15.8000	0.03814	1.9E 00	1.175E 01	-3.323E-01	-2.011E-01	-4.102E-01	-3.148E-01	4.0	-1.0
103.737	15.6000	0.04472	2.0E 00	1.268E 01	-4.208E-01	-2.929E-01	-3.352E-01	-2.307E-01	4.0	-1.0
103.499	15.4000	0.06120	1.9E 00	1.138E 01	-4.146E-01	-3.559E-01	-2.095E-01	-9.225E-02	5.0	-1.0

WATRAT= 8.06966746E-04 AVS= 1.13139994E 00
XP= 1.03534259E 02 VP= 1.54295370E 01 WATER 0.030863

-0. 28.50000 1.00000 -0.

XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	28.4991	0.08339	1.1E 00	2.396E-01	9.963E-01	9.985E-01	-1.890E-03	-4.573E-03	2.0	1.0
2.000	28.4964	0.08350	1.1E 00	1.898E-01	9.965E-01	9.975E-01	-3.463E-03	-4.573E-03	1.0	1.0
3.000	28.4925	0.08356	1.0E 00	7.370E-02	9.968E-01	9.971E-01	-4.183E-03	-4.573E-03	1.0	1.0
4.000	28.4882	0.08358	1.0E 00	2.234E-02	9.970E-01	9.971E-01	-4.527E-03	-4.572E-03	1.0	1.0
5.000	28.4835	0.08357	1.0E 00	1.312E-02	9.973E-01	9.972E-01	-4.697E-03	-4.572E-03	1.0	1.0
6.000	28.4787	0.08356	1.0E 00	2.213E-02	9.976E-01	9.974E-01	-4.889E-03	-4.785E-03	1.0	1.0
7.000	28.4738	0.08354	1.0E 00	2.685E-02	9.978E-01	9.976E-01	-4.932E-03	-4.785E-03	1.0	1.0
8.000	28.4689	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.932E-03	-4.784E-03	1.0	1.0
9.000	28.4639	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.932E-03	-4.784E-03	1.0	1.0
10.000	28.4590	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.932E-03	-4.783E-03	1.0	1.0
11.000	28.4539	0.08345	1.0E 00	3.510E-02	9.990E-01	9.987E-01	-5.277E-03	-5.223E-03	1.0	1.0
12.000	28.4486	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.370E-03	-5.223E-03	1.0	1.0
13.000	28.4432	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.370E-03	-5.222E-03	1.0	1.0
14.000	28.4379	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.370E-03	-5.221E-03	1.0	1.0
15.000	28.4325	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.370E-03	-5.221E-03	1.0	1.0
16.000	28.4269	0.08333	1.0E 00	4.595E-02	1.000E 00	1.000E 00	-5.794E-03	-5.915E-03	1.0	1.0
17.000	28.4210	0.08331	1.0E 00	3.617E-02	1.001E 00	1.000E 00	-6.002E-03	-5.914E-03	1.0	1.0
18.000	28.4150	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.060E-03	-5.913E-03	1.0	1.0
19.000	28.4089	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.060E-03	-5.913E-03	1.0	1.0
20.000	28.4029	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.060E-03	-5.912E-03	1.0	1.0
21.000	28.3965	0.08320	1.0E 00	6.124E-02	1.002E 00	1.002E 00	-6.639E-03	-6.905E-03	1.0	1.0
22.000	28.3898	0.08317	1.0E 00	4.301E-02	1.003E 00	1.002E 00	-6.920E-03	-6.904E-03	1.0	1.0
23.000	28.3828	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.050E-03	-6.903E-03	1.0	1.0
24.000	28.3758	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-7.050E-03	-6.902E-03	1.0	1.0
25.000	28.3687	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.050E-03	-6.901E-03	1.0	1.0
26.000	28.3613	0.08304	1.0E 00	8.146E-02	1.004E 00	1.004E 00	-7.819E-03	-8.261E-03	1.0	1.0
27.000	28.3534	0.08301	1.0E 00	5.299E-02	1.005E 00	1.004E 00	-8.189E-03	-8.259E-03	1.0	1.0
28.000	28.3451	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.370E-03	-8.258E-03	1.0	1.0
29.000	28.3368	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.403E-03	-8.257E-03	1.0	1.0
30.000	28.3284	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.403E-03	-8.256E-03	1.0	1.0
31.000	28.3195	0.08286	1.0E 00	1.079E-01	1.006E 00	1.006E 00	-9.414E-03	-1.008E-02	1.0	1.0
32.000	28.3100	0.08282	1.0E 00	6.660E-02	1.007E 00	1.006E 00	-9.898E-03	-1.008E-02	1.0	1.0
33.000	28.3000	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.013E-02	-1.007E-02	1.0	1.0
34.000	28.2899	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.022E-02	-1.007E-02	1.0	1.0
35.000	28.2798	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.022E-02	-1.007E-02	1.0	1.0
36.000	28.2691	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008E 00	-1.126E-02	-1.249E-02	3.0	1.0
37.000	28.2576	0.08261	1.0E 00	7.752E-02	1.010E 00	1.009E 00	-1.188E-02	-1.249E-02	3.0	1.0
38.000	28.2457	0.08257	1.0E 00	6.259E-02	1.010E 00	1.010E 00	-1.222E-02	-1.248E-02	2.0	1.0
39.000	28.2335	0.08253	1.0E 00	6.341E-02	1.011E 00	1.010E 00	-1.242E-02	-1.248E-02	2.0	1.0
40.000	28.2211	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.260E-02	-1.248E-02	1.0	1.0
41.000	28.2080	0.08241	1.1E 00	1.504E-01	1.012E 00	1.011E 00	-1.399E-02	-1.568E-02	3.0	1.0
42.000	28.1937	0.08236	1.0E 00	1.036E-01	1.013E 00	1.012E 00	-1.479E-02	-1.568E-02	3.0	1.0

43.000	28.1789	0.08231	1.0E 00	8.006E-02	1.014E 00	1.013E 00	-1.524E-02	-1.568E-02	2.0	1.0
44.000	28.1637	0.08225	1.0E 00	7.899E-02	1.015E 00	1.014E 00	-1.551E-02	-1.568E-02	2.0	1.0
45.000	28.1484	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.568E-02	-1.567E-02	2.0	1.0
46.000	28.1320	0.08213	1.1E 00	2.081E-01	1.016E 00	1.015E 00	-1.756E-02	-1.993E-02	3.0	1.0
47.000	28.1142	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.865E-02	-1.993E-02	3.0	1.0
48.000	28.0955	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.926E-02	-1.992E-02	3.0	1.0
49.000	28.0764	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.963E-02	-1.992E-02	2.0	1.0
50.000	28.0570	0.08185	1.0E 00	9.727E-02	1.020E 00	1.019E 00	-1.984E-02	-1.991E-02	2.0	1.0
51.000	28.0363	0.08177	1.1E 00	2.766E-01	1.021E 00	1.020E 00	-2.237E-02	-2.560E-02	3.0	1.0
52.000	28.0136	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.381E-02	-2.560E-02	3.0	1.0
53.000	27.9899	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.465E-02	-2.559E-02	3.0	1.0
54.000	27.9656	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.512E-02	-2.559E-02	2.0	1.0
55.000	27.9409	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.540E-02	-2.558E-02	2.0	1.0
56.000	27.9144	0.08135	1.1E 00	3.702E-01	1.027E 00	1.025E 00	-2.882E-02	-3.324E-02	3.0	1.0
57.000	27.8854	0.08125	1.1E 00	2.370E-01	1.028E 00	1.026E 00	-3.077E-02	-3.324E-02	3.0	1.0
58.000	27.8549	0.08115	1.1E 00	1.759E-01	1.029E 00	1.028E 00	-3.189E-02	-3.324E-02	3.0	1.0
59.000	27.8235	0.08105	1.1E 00	1.528E-01	1.031E 00	1.029E 00	-3.255E-02	-3.323E-02	3.0	1.0
60.000	27.7917	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.291E-02	-3.323E-02	2.0	1.0
61.000	27.7575	0.08085	1.1E 00	4.970E-01	1.033E 00	1.031E 00	-3.760E-02	-4.364E-02	3.0	1.0
62.000	27.7198	0.08073	1.1E 00	3.091E-01	1.035E 00	1.033E 00	-4.023E-02	-4.364E-02	3.0	1.0
63.000	27.6802	0.08062	1.1E 00	2.194E-01	1.036E 00	1.034E 00	-4.174E-02	-4.364E-02	3.0	1.0
64.000	27.6394	0.08051	1.1E 00	1.829E-01	1.038E 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.5980	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.312E-02	-4.365E-02	2.0	1.0
66.000	27.5534	0.08028	1.2E 00	6.756E-01	1.041E 00	1.039E 00	-4.964E-02	-5.795E-02	3.0	1.0
67.000	27.5039	0.08015	1.1E 00	4.075E-01	1.043E 00	1.041E 00	-5.324E-02	-5.797E-02	3.0	1.0
68.000	27.4518	0.08002	1.1E 00	2.743E-01	1.044E 00	1.042E 00	-5.531E-02	-5.799E-02	3.0	1.0
69.000	27.3982	0.07990	1.1E 00	2.153E-01	1.046E 00	1.044E 00	-5.652E-02	-5.801E-02	3.0	1.0
70.000	27.3437	0.07977	1.1E 00	1.935E-01	1.048E 00	1.045E 00	-5.725E-02	-5.803E-02	3.0	1.0
71.000	27.2846	0.07964	1.2E 00	9.250E-01	1.050E 00	1.047E 00	-6.643E-02	-7.791E-02	3.0	1.0
72.000	27.2188	0.07951	1.1E 00	5.403E-01	1.051E 00	1.049E 00	-7.143E-02	-7.798E-02	3.0	1.0
73.000	27.1494	0.07939	1.1E 00	3.425E-01	1.053E 00	1.051E 00	-7.427E-02	-7.806E-02	3.0	1.0
74.000	27.0780	0.07927	1.1E 00	2.463E-01	1.054E 00	1.052E 00	-7.596E-02	-7.814E-02	3.0	1.0
75.000	27.0054	0.07915	1.1E 00	2.052E-01	1.056E 00	1.054E 00	-7.698E-02	-7.823E-02	3.0	1.0
76.000	26.9261	0.07902	1.2E 00	1.287E 00	1.057E 00	1.055E 00	-9.021E-02	-1.062E-01	3.0	1.0
77.000	26.8373	0.07891	1.2E 00	7.303E-01	1.059E 00	1.057E 00	-9.726E-02	-1.064E-01	3.0	1.0
78.000	26.7435	0.07881	1.1E 00	4.384E-01	1.060E 00	1.058E 00	-1.013E-01	-1.066E-01	3.0	1.0
79.000	26.6467	0.07872	1.1E 00	2.829E-01	1.061E 00	1.059E 00	-1.037E-01	-1.069E-01	3.0	1.0
80.000	26.5482	0.07863	1.1E 00	2.026E-01	1.062E 00	1.060E 00	-1.052E-01	-1.072E-01	3.0	1.0
81.000	26.4422	0.07855	1.2E 00	1.399E 00	1.063E 00	1.061E 00	-1.197E-01	-1.371E-01	3.0	1.0
82.000	26.3258	0.07849	1.2E 00	7.960E-01	1.063E 00	1.062E 00	-1.275E-01	-1.376E-01	3.0	1.0
83.000	26.2036	0.07845	1.1E 00	4.771E-01	1.063E 00	1.062E 00	-1.321E-01	-1.382E-01	3.0	1.0
84.000	26.0728	0.07845	1.2E 00	1.333E 00	1.062E 00	1.062E 00	-1.458E-01	-1.625E-01	3.0	1.0
85.000	25.9319	0.07848	1.2E 00	7.805E-01	1.061E 00	1.061E 00	-1.535E-01	-1.634E-01	3.0	1.0
86.000	25.7788	0.07855	1.3E 00	1.697E 00	1.059E 00	1.060E 00	-1.715E-01	-1.925E-01	3.0	1.0
87.000	25.6122	0.07867	1.2E 00	1.005E 00	1.056E 00	1.058E 00	-1.814E-01	-1.939E-01	3.0	1.0
88.000	25.4377	0.07883	1.2E 00	6.658E-01	1.053E 00	1.056E 00	-1.875E-01	-1.954E-01	3.0	1.0
89.000	25.2503	0.07906	1.3E 00	1.891E 00	1.047E 00	1.052E 00	-2.076E-01	-2.304E-01	3.0	1.0
90.000	25.0471	0.07938	1.2E 00	1.184E 00	1.042E 00	1.048E 00	-2.190E-01	-2.328E-01	3.0	1.0
91.000	24.8249	0.07978	1.3E 00	2.374E 00	1.035E 00	1.042E 00	-2.452E-01	-2.731E-01	3.0	1.0
91.200	24.7775	0.01597	1.4E 00	2.643E 00	1.080E 00	1.046E 00	-2.492E-01	-2.777E-01	2.0	1.0
91.400	24.7296	0.01590	1.3E 00	2.291E 00	1.078E 00	1.050E 00	-2.527E-01	-2.787E-01	2.0	1.0
91.600	24.6813	0.01585	1.3E 00	1.992E 00	1.076E 00	1.053E 00	-2.558E-01	-2.797E-01	2.0	1.0
91.800	24.6325	0.01581	1.3E 00	1.739E 00	1.074E 00	1.055E 00	-2.587E-01	-2.807E-01	2.0	1.0
92.000	24.5832	0.01578	1.3E 00	1.527E 00	1.072E 00	1.057E 00	-2.613E-01	-2.818E-01	2.0	1.0
92.200	24.5336	0.01575	1.2E 00	1.350E 00	1.071E 00	1.059E 00	-2.636E-01	-2.828E-01	2.0	1.0
92.400	24.4836	0.01573	1.2E 00	1.204E 00	1.069E 00	1.060E 00	-2.659E-01	-2.839E-01	2.0	1.0
92.600	24.4333	0.01572	1.2E 00	1.087E 00	1.067E 00	1.061E 00	-2.679E-01	-2.849E-01	2.0	1.0
92.800	24.3822	0.01571	1.4E 00	2.550E 00	1.064E 00	1.061E 00	-2.737E-01	-3.160E-01	2.0	1.0
93.000	24.3302	0.01571	1.3E 00	2.318E 00	1.061E 00	1.061E 00	-2.788E-01	-3.175E-01	2.0	1.0
93.200	24.2772	0.01571	1.3E 00	2.130E 00	1.058E 00	1.061E 00	-2.835E-01	-3.189E-01	2.0	1.0
93.400	24.2233	0.01572	1.3E 00	1.979E 00	1.055E 00	1.060E 00	-2.877E-01	-3.204E-01	2.0	1.0
93.600	24.1686	0.01573	1.3E 00	1.860E 00	1.052E 00	1.059E 00	-2.916E-01	-3.220E-01	2.0	1.0
93.800	24.1130	0.01574	1.3E 00	2.442E 00	1.049E 00	1.058E 00	-2.970E-01	-3.367E-01	2.0	1.0
94.000	24.0564	0.01576	1.3E 00	2.209E 00	1.046E 00	1.057E 00	-3.019E-01	-3.384E-01	2.0	1.0
94.200	23.9981	0.01579	1.3E 00	2.169E 00	1.042E 00	1.055E 00	-3.064E-01	-3.402E-01	2.0	1.0
94.400	23.9402	0.01581	1.3E 00	2.382E 00	1.038E 00	1.053E 00	-3.113E-01	-3.482E-01	2.0	1.0

94.600	23.8805	0.01585	1.4E 00	2.490E 00	1.034E 00	1.051E 00	-3.165E-01	-3.546E-01	2.0	1.0	
94.800	23.8197	0.01588	1.4E 00	2.609E 00	1.030E 00	1.046E 00	-3.220E-01	-3.615E-01	2.0	1.0	
95.000	23.7576	0.01592	1.4E 00	2.629E 00	1.026E 00	1.042E 00	-3.276E-01	-3.686E-01	2.0	1.0	
95.200	23.6944	0.01596	1.4E 00	2.583E 00	1.022E 00	1.039E 00	-3.327E-01	-3.702E-01	2.0	1.0	
95.400	23.6299	0.01601	1.4E 00	2.796E 00	1.017E 00	1.033E 00	-3.384E-01	-3.791E-01	2.0	1.0	
95.600	23.5642	0.01606	1.4E 00	2.689E 00	1.012E 00	1.030E 00	-3.437E-01	-3.816E-01	2.0	1.0	
95.800	23.4971	0.01611	1.4E 00	2.982E 00	1.007E 00	1.033E 00	-3.498E-01	-3.924E-01	2.0	1.0	
96.000	23.4287	0.01617	1.4E 00	2.872E 00	1.002E 00	1.029E 00	-3.555E-01	-3.952E-01	2.0	1.0	
96.200	23.3589	0.01623	1.4E 00	2.786E 00	9.973E-01	1.025E 00	-3.608E-01	-3.979E-01	2.0	1.0	
96.400	23.2877	0.01630	1.4E 00	3.252E 00	9.914E-01	1.021E 00	-3.675E-01	-4.128E-01	2.0	1.0	
96.600	23.2150	0.01637	1.4E 00	3.138E 00	9.858E-01	1.016E 00	-3.737E-01	-4.159E-01	2.0	1.0	
96.800	23.1407	0.01644	1.4E 00	3.048E 00	9.802E-01	1.012E 00	-3.795E-01	-4.171E-01	2.0	1.0	
97.000	23.0649	0.01651	1.4E 00	2.978E 00	9.746E-01	1.007E 00	-3.850E-01	-4.224E-01	2.0	1.0	
97.200	22.9878	0.01659	1.4E 00	2.924E 00	9.690E-01	1.002E 00	-3.902E-01	-4.257E-01	2.0	1.0	
97.400	22.9091	0.01665	1.4E 00	2.896E 00	9.867E-01	9.998E-01	-3.969E-01	-4.425E-01	2.0	1.0	
97.600	22.8289	0.01670	1.4E 00	2.957E 00	9.759E-01	9.967E-01	-4.035E-01	-4.478E-01	2.0	1.0	
97.800	22.7472	0.01675	1.4E 00	3.046F 00	9.669E-01	9.929E-01	-4.100F-01	-4.533E-01	2.0	1.0	
98.000	22.6637	0.01683	1.4E 00	3.147E 00	9.580E-01	9.883E-01	-4.164E-01	-4.588E-01	2.0	1.0	
98.200	22.5786	0.01691	1.4E 00	3.251E 00	9.491E-01	9.831E-01	-4.228F-01	-4.644E-01	2.0	1.0	
98.400	22.4915	0.01701	1.5E 00	3.791F 00	9.382E-01	9.770E-01	-4.306E-01	-4.798E-01	2.0	1.0	
98.600	22.4023	0.01712	1.5E 00	3.872E 00	9.260E-01	9.702E-01	-4.383F-01	-4.863E-01	2.0	1.0	
98.800	22.3108	0.01724	1.5E 00	3.950F 00	9.117E-01	9.629E-01	-4.459F-01	-4.930E-01	2.0	1.0	
99.000	22.2170	0.01738	1.5E 00	4.023E 00	9.076E-01	9.551E-01	-4.535F-01	-4.998E-01	2.0	1.0	
99.200	22.1209	0.01752	1.5E 00	4.089F 00	8.974E-01	9.469E-01	-4.611E-01	-5.068E-01	2.0	1.0	
99.400	22.0222	0.01768	1.5E 00	4.226E 00	8.863E-01	9.382E-01	-4.690E-01	-5.153E-01	2.0	1.0	
99.600	21.9209	0.01785	1.5E 00	4.296E 00	8.755E-01	9.290E-01	-4.769F-01	-5.230E-01	2.0	1.0	
99.800	21.8168	0.01803	1.5E 00	4.290F 00	8.645E-01	9.195E-01	-4.846E-01	-5.286E-01	2.0	1.0	
100.000	21.7100	0.01822	1.5E 00	4.363E 00	8.534E-01	9.096E-01	-4.924E-01	-5.368E-01	2.0	1.0	
100.200	21.6003	0.01843	1.5E 00	4.424E 00	8.424E-01	8.995E-01	-5.004F-01	-5.452E-01	2.0	1.0	
100.400	21.4875	0.01864	1.5E 00	4.283E 00	8.314E-01	8.892E-01	-5.076E-01	-5.476E-01	2.0	1.0	
100.600	21.3718	0.01886	1.5E 00	4.355F 00	8.204E-01	8.786E-01	-5.151F-01	-5.565E-01	2.0	1.0	
100.800	21.2532	0.01909	1.5E 00	4.093F 00	8.097E-01	8.680E-01	-5.212F-01	-5.543E-01	2.0	1.0	
101.000	21.1315	0.01932	1.5E 00	4.173F 00	7.984E-01	8.572E-01	-5.278F-01	-5.634E-01	2.0	1.0	
101.200	21.0068	0.01957	1.5E 00	4.240E 00	7.882E-01	8.463E-01	-5.350F-01	-5.727E-01	2.0	1.0	
101.400	20.8790	0.01982	1.5E 00	3.832E 00	7.782E-01	8.350E-01	-5.397E-01	-5.649E-01	2.0	1.0	
101.600	20.7470	0.02025	1.7E 00	7.154E 00	7.017E-01	8.109E-01	-5.470E-01	-5.790E-01	3.0	1.0	
101.800	20.6094	0.02085	1.6E 00	6.555F 00	6.864F-01	7.878E-01	-5.525F-01	-5.764E-01	3.0	1.0	
102.000	20.4665	0.02145	1.6E 00	6.142F 00	6.716E-01	7.660E-01	-5.581F-01	-5.825E-01	3.0	1.0	
102.200	20.3181	0.02205	1.6E 00	5.698E 00	6.578E-01	7.455E-01	-5.632E-01	-5.845E-01	3.0	1.0	
102.400	20.1645	0.02265	1.6E 00	5.264E 00	6.440E-01	7.263E-01	-5.673F-01	-5.849E-01	3.0	1.0	
102.600	20.0058	0.02323	1.6E 00	4.859F 00	6.325E-01	7.083E-01	-5.713E-01	-5.876E-01	3.0	1.0	
102.800	19.8427	0.02381	1.5E 00	4.420F 00	6.216E-01	6.916E-01	-5.704E-01	-5.664E-01	3.0	1.0	
103.000	19.6732	0.02470	1.7E 00	7.608E 00	6.578E-01	6.291E-01	-5.729F-01	-5.817E-01	3.0	1.0	
103.200	19.4950	0.02590	1.6E 00	6.428E 00	6.291E-01	5.874E-01	-5.737E-01	-5.762E-01	3.0	1.0	
103.400	19.3073	0.02740	1.8E 00	8.313E 00	6.625E-01	5.874E-01	-5.674E-01	-5.502E-01	3.0	1.0	
103.600	19.1084	0.02921	1.7E 00	6.628E 00	4.513E-01	5.537E-01	-5.670E-01	-5.644E-01	4.0	1.0	
103.800	18.9013	0.03085	1.6E 00	5.911E 00	4.467E-01	5.267E-01	-5.1[illegible]E-01	-5.089E-01	4.0	1.0	
104.000	18.6843	0.03303	1.7E 00	7.596E 00	3.732E-01	4.825E-01	-5.425E-01	-5.186E-01	4.0	1.0	
104.200	18.4525	0.03574	1.6E 00	5.489E 00	3.699E-01	4.502E-01	-5.385E-01	-5.283E-01	4.0	1.0	
104.400	18.2090	0.03932	1.8E 00	9.254E 00	2.991E-01	3.975E-01	-4.936E-01	-4.096E-01	4.0	1.0	
104.600	17.9584	0.04365	1.6E 00	5.904E 00	3.006E-01	3.662E-01	-4.633E-01	-4.057E-01	4.0	1.0	
104.800	17.6969	0.04826	1.6E 00	5.870E 00	2.546E-01	3.245E-01	-4.400F-01	-4.007E-01	4.0	1.0	
104.941	17.5000	0.03802	1.6E 00	5.675E 00	2.198E-01	2.925E-01	-4.231E-01	-3.844E-01	4.0	-1.0	
105.106	17.2500	0.05046	1.6E 00	5.265E 00	1.907E-01	2.538E-01	-4.027E-01	-3.694E-01	3.0	-1.0	
105.273	17.0000	0.05955	1.8E 00	9.855E 00	1.695E-01	2.124E-01	-2.970E-01	-1.875E-01	4.0	-1.0	
105.463	16.7500	0.08075	1.6E 00	6.137E 00	1.540E-01	1.790E-01	-2.191E-01	-1.579E-01	4.0	-1.0	
105.688	16.5000	0.11074	1.5E 00	3.831E 00	1.464E-01	1.593E-01	-1.572E-01	-1.236E-01	4.0	-1.0	
105.827	16.3750	0.07289	1.4E 00	2.724E 00	1.572E-01	1.583E-01	-1.286E-01	-9.472E-02	4.0	-1.0	
106.007	16.2500	0.09141	1.3E 00	2.463E 00	1.812E-01	1.706E-01	-9.926E-02	-7.371E-02	4.0	-1.0	
106.074	16.2188	0.03221	1.7E 00	6.655E 00	1.921E-01	1.765E-01	-6.243E-02	3.551E-02	4.0	-1.0	
106.119	16.2051	0.02121	1.6E 00	5.101E 00	1.921E-01	1.793E-01	-4.498E-02	3.549E-02	3.0	-1.0	
106.184	16.1923	0.02997	1.5E 00	4.065E 00	1.921E-01	1.822E-01	-2.629E-02	3.548E-02	3.0	-1.0	
106.384	16.1818	0.09394	1.4E 00	2.629E 00	1.647E-01	1.726E-01	7.676E-03	3.547E-02	4.0	1.0	
106.584	16.2002	0.10091	1.3E 00	1.585E 00	1.455E-01	1.578E-01	2.278E-02	3.546E-02	4.0	1.0	
106.784	16.2356	0.11219	1.2E 00	1.356E 00	1.263E-01	1.594E-01	3.007E-02	3.548E-02	4.0	1.0	
106.984	16.2850	0.12916	1.2E 00	1.253E 00	1.071E-01	1.187E-01	3.340E-02	3.551E-02	4.0	1.0	

106.384	16.1818	0.09394	1.4E 00	2.829E 00	1.647E-01	1.726E-01	7.676E-03	3.547E-02	3.0	-1.0	
106.584	16.2002	0.10091	1.3E 00	1.585E 00	1.455E-01	1.578E-01	2.278E-02	3.546E-02	3.0	1.0	
106.784	16.2358	0.11219	1.2E 00	1.356E 00	1.263E-01	1.394E-01	3.007E-02	3.548E-02	4.0	1.0	
106.984	16.2850	0.12916	1.2E 00	1.253E 00	1.071E-01	1.187E-01	3.340E-02	3.551E-02	3.0	1.0	

107.184	16.3206	0.08942	1.7E 00	8.218E 00	3.319E-01	2.540E-01	3.290E-02	3.278E-02	4.0	1.0	
107.384	16.3440	0.06052	1.5E 00	4.447E 00	3.541E-01	2.967E-01	3.158E-02	2.999E-02	3.0	1.0	
107.584	16.3638	0.05348	1.4E 00	3.657E 00	3.763E-01	3.265E-01	3.022E-02	2.816E-02	3.0	1.0	
107.784	16.3812	0.04917	1.4E 00	3.371E 00	3.986E-01	3.514E-01	2.890E-02	2.660E-02	3.0	1.0	
107.984	16.3968	0.04596	1.4E 00	3.289E 00	4.208E-01	3.739E-01	2.764E-02	2.524E-02	3.0	1.0	
108.184	16.4109	0.04333	1.4E 00	3.304E 00	4.431E-01	3.953E-01	2.646E-02	2.402E-02	3.0	1.0	
108.384	16.4280	0.04253	1.4E 00	2.567E 00	3.720E-01	3.885E-01	4.042E-02	7.430E-02	3.0	1.0	
108.584	16.4521	0.04396	1.4E 00	3.278E 00	3.286E-01	3.698E-01	5.095E-02	7.430E-02	3.0	1.0	
108.784	16.4830	0.04691	1.5E 00	4.102E 00	2.853E-01	3.408E-01	5.888E-02	7.430E-02	3.0	1.0	
108.984	16.5213	0.05174	1.5E 00	4.581E 00	2.419E-01	3.034E-01	6.464E-02	7.430E-02	3.0	1.0	
109.184	16.5593	0.04767	1.8E 00	9.978E 00	5.262E-01	3.958E-01	6.826E-02	7.352E-02	3.0	1.0	
109.384	16.5921	0.03970	1.7E 00	6.886E 00	5.417E-01	4.439E-01	6.944E-02	7.214E-02	3.0	1.0	
109.584	16.6224	0.03621	1.6E 00	5.475E 00	5.573E-01	4.768E-01	6.985E-02	7.095E-02	3.0	1.0	
109.784	16.6509	0.03404	1.5E 00	4.697E 00	5.728E-01	5.025E-01	6.980E-02	6.984E-02	3.0	1.0	
109.984	16.6781	0.03247	1.5E 00	4.240E 00	5.884E-01	5.241E-01	6.950E-02	6.880E-02	3.0	1.0	
110.184	16.7040	0.03123	1.5E 00	3.965E 00	6.039E-01	5.433E-01	6.904E-02	6.782E-02	3.0	1.0	
111.184	16.8404	0.15478	1.2E 00	7.067E-01	5.292E-01	5.335E-01	7.782E-02	8.191E-02	4.0	1.0	
112.184	17.0015	0.16990	1.4E 00	3.373E 00	4.307E-01	4.475E-01	8.019E-02	8.086E-02	4.0	1.0	
113.184	17.2038	0.21205	1.4E 00	3.414E 00	3.329E-01	3.385E-01	7.882E-02	7.894E-02	4.0	1.0	
113.422	17.2500	0.04981	1.9E 00	1.159E 01	6.024E-01	4.559E-01	7.377E-02	7.213E-02	6.0	-1.0	
113.853	17.3896	0.15757	1.6E 00	6.179E 00	2.372E-01	2.372E-01	7.186E-02	7.143E-02	7.0	1.0	
114.853	17.5313	0.16991	2.0E 00	1.386E 01	7.277E-01	7.277E-01	6.719E-02	6.742E-02	2.0	1.0	
115.853	17.6210	0.11321	1.2E 00	1.161E 00	7.565E-01	7.444E-01	6.477E-02	6.327E-02	3.0	1.0	
116.853	17.7049	0.11022	1.3E 00	1.586E 00	7.841E-01	7.676E-01	6.213E-02	6.049E-02	3.0	1.0	
117.853	17.7875	0.10759	1.2E 00	1.049E 00	7.924E-01	7.814E-01	6.586E-02	6.908E-02	3.0	1.0	
118.853	17.8716	0.10559	1.2E 00	1.163E 00	8.098E-01	7.971E-01	6.677E-02	6.776E-02	3.0	1.0	
119.853	17.9543	0.10357	1.2E 00	1.131E 00	8.246E-01	8.121E-01	6.633E-02	6.620E-02	3.0	1.0	
120.853	18.0346	0.10170	1.2E 00	1.132E 00	8.395E-01	8.268E-01	6.531E-02	6.467E-02	3.0	1.0	
121.853	18.1126	0.10015	1.2E 00	8.607E-01	8.473E-01	8.375E-01	6.444E-02	6.389E-02	3.0	1.0	
122.853	18.1885	0.09892	1.2E 00	8.212E-01	8.570E-01	8.475E-01	6.351E-02	6.284E-02	3.0	1.0	
123.853	18.2625	0.09777	1.2E 00	8.084E-01	8.666E-01	8.572E-01	6.258E-02	6.192E-02	3.0	1.0	
124.853	18.3345	0.09667	1.2E 00	8.071E-01	8.763E-01	8.6[illegible]-01	6.164E-02	6.098E-02	3.0	1.0	
125.853	18.4064	0.10150	1.6E 00	5.447E 00	7.253E-01	7.752E-01	5.635 02	5.365E-02	3.0	1.0	
126.853	18.4833	0.11595	1.6E 00	5.785E 00	6.162E-01	6.622E-01	5.430E-02	5.365E-02	4.0	1.0	
127.853	18.5731	0.13656	1.6E 00	5.316E 00	5.070E-01	5.406E-01	5.364E-02	5.365E-02	4.0	1.0	
128.853	18.6508	0.12130	1.9E 00	1.181E 01	8.960E-01	8.334E-01	5.308E-02	5.311E-02	4.0	1.0	
129.853	18.7128	0.09772	1.4E 00	2.738E 00	9.014E-01	8.721E-01	5.265E-02	5.254E-02	3.0	1.0	
130.853	18.7723	0.09457	1.2E 00	1.448E 00	9.068E-01	8.901E-01	5.224E-02	5.209E-02	3.0	1.0	
131.853	18.8304	0.09305	1.2E 00	9.366E-01	9.122E-01	9.011E-01	5.182E-02	5.165E-02	3.0	1.0	
132.853	18.8874	0.09208	1.2E 00	7.086E-01	9.176E-01	9.090E-01	5.141E-02	5.123E-02	3.0	1.0	
133.853	18.9408	0.09139	1.2E 00	6.908E-01	9.206E-01	9.146E-01	4.542E-02	4.018E-02	3.0	1.0	
134.853	18.9893	0.09089	1.1E 00	4.857E-01	9.243E-01	9.191E-01	4.312E-02	4.018E-02	3.0	1.0	
135.853	19.0353	0.09047	1.1E 00	4.026E-01	9.279E-01	9.231E-01	4.164E-02	4.018E-02	3.0	1.0	
136.853	19.0799	0.09010	1.1E 00	3.444E-01	9.309E-01	9.267E-01	4.076E-02	3.998E-02	3.0	1.0	
137.853	19.1235	0.08976	1.1E 00	3.446E-01	9.345E-01	9.302E-01	4.017E-02	3.973E-02	3.0	1.0	
138.853	19.1664	0.08943	1.1E 00	3.145E-01	9.381E-01	9.335E-01	3.978E-02	3.948E-02	2.0	1.0	
139.853	19.2087	0.08911	1.1E 00	3.296E-01	9.418E-01	9.369E-01	3.945E-02	3.924E-02	2.0	1.0	
140.853	19.2506	0.08878	1.1E 00	3.389E-01	9.454E-01	9.403E-01	3.915E-02	3.900E-02	2.0	1.0	

-0.	28.25000	1.00000	-0.

XNN1	YMN1	OTH	CK	REN	VDX	VDXMN1	VDYMN1	VDY	XKT	DIRECT
1.000	28.2491	0.08339	1.1E 00	2.389E-01	9.963E-01	9.985E-01	-1.881E-03	-4.548E-03	2.0	1.0
2.000	28.2464	0.08350	1.1E 00	1.891E-01	9.965E-01	9.975E-01	-3.445E-03	-4.548E-03	1.0	1.0
3.000	28.2426	0.08356	1.0E 00	7.337E-02	9.968E-01	9.971E-01	-4.161E-03	-4.548E-03	1.0	1.0
4.000	28.2382	0.08358	1.0E 00	2.216E-02	9.970E-01	9.971E-01	-4.504E-03	-4.547E-03	1.0	1.0
5.000	28.2336	0.08357	1.0E 00	1.309E-02	9.973E-01	9.972E-01	-4.673E-03	-4.547E-03	1.0	1.0
6.000	28.2288	0.08356	1.0E 00	2.211E-02	9.976E-01	9.974E-01	-4.864E-03	-4.759E-03	1.0	1.0
7.000	28.2240	0.08354	1.0E 00	2.686E-02	9.978E-01	9.976E-01	-4.906E-03	-4.758E-03	1.0	1.0
8.000	28.2190	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.906E-03	-4.758E-03	1.0	1.0
9.000	28.2141	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.906E-03	-4.757E-03	1.0	1.0
10.000	28.2092	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.906E-03	-4.757E-03	1.0	1.0
11.000	28.2041	0.08345	1.0E 00	3.506E-02	9.990E-01	9.987E-01	-5.200E-03	-5.195E-03	1.0	1.0
12.000	28.1989	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.342E-03	-5.195E-03	1.0	1.0
13.000	28.1935	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.342E-03	-5.194E-03	1.0	1.0
14.000	28.1882	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.342E-03	-5.193E-03	1.0	1.0
15.000	28.1828	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.342E-03	-5.193E-03	1.0	1.0
16.000	28.1773	0.08333	1.0E 00	4.585E-02	1.000E 00	1.000E 00	-5.765E-03	-5.884E-03	1.0	1.0

106

D3-6961-1
Page 258

14.000	28.1882	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.342E-03	-5.193E-03	1.0	1.0
15.000	28.1828	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.342E-03	-5.193E-03	1.0	1.0
16.000	28.1773	0.08333	1.0E 00	4.585E-02	1.000E 00	1.000E 00	-5.765E-03	-5.884E-03	1.0	1.0
17.000	28.1714	0.08331	1.0E 00	3.615E-02	1.001E 00	1.000E 00	-5.972E-03	-5.884E-03	1.0	1.0
18.000	28.1654	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.030E-03	-5.883E-03	1.0	1.0
19.000	28.1594	0.08325	1.0E 00	3.763E-02	1.001E 00	1.001E 00	-6.030E-03	-5.882E-03	1.0	1.0
20.000	28.1534	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.030E-03	-5.881E-03	1.0	1.0
21.000	28.1471	0.08320	1.0E 00	6.109E-02	1.002E 00	1.002E 00	-6.607E-03	-6.471E-03	1.0	1.0
22.000	28.1403	0.08317	1.0E 00	4.298E-02	1.003E 00	1.002E 00	-6.887E-03	-6.870E-03	1.0	1.0
23.000	28.1334	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.016E-03	-6.869E-03	1.0	1.0
24.000	28.1264	0.08310	1.0E 00	4.279E-02	1.003E 00	1.003E 00	-7.016E-03	-6.868E-03	1.0	1.0
25.000	28.1194	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.016E-03	-6.868E-03	1.0	1.0
26.000	28.1120	0.08304	1.0E 00	8.127E-02	1.004E 00	1.004E 00	-7.783E-03	-8.223E-03	1.0	1.0
27.000	28.1041	0.08301	1.0E 00	5.294E-02	1.005E 00	1.004E 00	-8.152E-03	-8.222E-03	1.0	1.0
28.000	28.0959	0.08297	1.0E 00	4.839E-02	1.005E 00	1.005E 00	-8.333E-03	-8.220E-03	1.0	1.0
29.000	28.0876	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.365E-03	-8.219E-03	1.0	1.0
30.000	28.0793	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.365E-03	-8.218E-03	1.0	1.0
31.000	28.0704	0.08286	1.0E 00	1.077E-01	1.006E 00	1.006E 00	-9.374E-03	-1.003E-02	1.0	1.0
32.000	28.0609	0.08282	1.0E 00	6.653E-02	1.007E 00	1.006E 00	-9.856E-03	-1.003E-02	1.0	1.0
33.000	28.0510	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.009E-02	-1.003E-02	1.0	1.0
34.000	28.0409	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.014E-02	-1.003E-02	1.0	1.0
35.000	28.0308	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.018E-02	-1.003E-02	1.0	1.0
36.000	28.0202	0.08265	1.0E 00	1.101E-01	1.009E 00	1.009E 00	-1.122E-02	-1.244E-02	3.0	1.0
37.000	28.0088	0.08261	1.0E 00	7.743E-02	1.010E 00	1.009E 00	-1.183E-02	-1.244E-02	3.0	1.0
38.000	27.9969	0.08257	1.0E 00	6.257E-02	1.010E 00	1.010E 00	-1.217E-02	-1.244E-02	2.0	1.0
39.000	27.9847	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.238E-02	-1.243E-02	2.0	1.0
40.000	27.9724	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.255E-02	-1.243E-02	1.0	1.0
41.000	27.9593	0.08241	1.1E 00	1.502E-01	1.012E 00	1.011E 00	-1.394E-02	-1.563E-02	3.0	1.0
42.000	27.9451	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.474E-02	-1.563E-02	3.0	1.0
43.000	27.9303	0.08231	1.0E 00	8.004E-02	1.014E 00	1.013E 00	-1.519E-02	-1.563E-02	2.0	1.0
44.000	27.9152	0.08225	1.0E 00	7.898E-02	1.015E 00	1.014E 00	-1.546E-02	-1.562E-02	2.0	1.0
45.000	27.8999	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.563E-02	-1.562E-02	2.0	1.0
46.000	27.8836	0.08213	1.1E 00	2.080E-01	1.016E 00	1.015E 00	-1.751E-02	-1.988E-02	3.0	1.0
47.000	27.8658	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.859E-02	-1.987E-02	3.0	1.0
48.000	27.8472	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.923E-02	-1.987E-02	3.0	1.0
49.000	27.8281	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.958E-02	-1.987E-02	2.0	1.0
50.000	27.8088	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.979E-02	-1.986E-02	2.0	1.0
51.000	27.7881	0.08177	1.1E 00	2.768E-01	1.021E 00	1.020E 00	-2.232E-02	-2.556E-02	3.0	1.0
52.000	27.7655	0.08169	1.1E 00	1.820E-01	1.022E 00	1.021E 00	-2.376E-02	-2.555E-02	3.0	1.0
53.000	27.7416	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.461E-02	-2.555E-02	3.0	1.0
54.000	27.7175	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.507E-02	-2.554E-02	2.0	1.0
55.000	27.6929	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.535E-02	-2.554E-02	2.0	1.0
56.000	27.6665	0.08135	1.1E 00	3.710E-01	1.027E 00	1.025E 00	-2.878E-02	-3.321E-02	3.0	1.0
57.000	27.6375	0.08125	1.1E 00	2.374E-01	1.028E 00	1.026E 00	-3.073E-02	-3.321E-02	3.0	1.0
58.000	27.6070	0.08115	1.1E 00	1.761E-01	1.029E 00	1.028E 00	-3.186E-02	-3.321E-02	3.0	1.0
59.000	27.5757	0.08105	1.1E 00	1.529E-01	1.031E 00	1.029E 00	-3.252E-02	-3.320E-02	3.0	1.0
60.000	27.5439	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.288E-02	-3.320E-02	2.0	1.0
61.000	27.5097	0.08085	1.1E 00	4.988E-01	1.033E 00	1.031E 00	-3.754E-02	-4.365E-02	3.0	1.0
62.000	27.4720	0.08073	1.1E 00	3.101E-01	1.035E 00	1.033E 00	-4.023E-02	-4.366E-02	3.0	1.0
63.000	27.4324	0.08062	1.1E 00	2.198E-01	1.036E 00	1.034E 00	-4.175E-02	-4.366E-02	3.0	1.0
64.000	27.3916	0.08051	1.1E 00	1.830E-01	1.038E 00	1.036E 00	-4.264E-02	-4.366E-02	3.0	1.0
65.000	27.3502	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.313E-02	-4.366E-02	2.0	1.0
66.000	27.3055	0.08028	1.2E 00	6.796E-01	1.041E 00	1.039E 00	-4.969E-02	-5.806E-02	3.0	1.0
67.000	27.2560	0.08015	1.1E 00	4.095E-01	1.043E 00	1.041E 00	-5.332E-02	-5.807E-02	3.0	1.0
68.000	27.2038	0.08002	1.1E 00	2.752E-01	1.044E 00	1.042E 00	-5.540E-02	-5.810E-02	3.0	1.0
69.000	27.1501	0.07990	1.1E 00	2.157E-01	1.046E 00	1.044E 00	-5.662E-02	-5.812E-02	3.0	1.0
70.000	27.0955	0.07977	1.1E 00	1.936E-01	1.048E 00	1.045E 00	-5.735E-02	-5.814E-02	3.0	1.0
71.000	27.0363	0.07964	1.2E 00	9.331E-01	1.050E 00	1.047E 00	-6.662E-02	-7.821E-02	3.0	1.0
72.000	26.9703	0.07951	1.1E 00	5.445E-01	1.051E 00	1.049E 00	-7.166E-02	-7.828E-02	3.0	1.0
73.000	26.9007	0.07939	1.1E 00	3.446E-01	1.053E 00	1.051E 00	-7.454E-02	-7.835E-02	3.0	1.0
74.000	26.8290	0.07927	1.1E 00	2.473E-01	1.054E 00	1.052E 00	-7.623E-02	-7.844E-02	3.0	1.0
75.000	26.7561	0.07915	1.1E 00	2.056E-01	1.056E 00	1.054E 00	-7.727E-02	-7.852E-02	3.0	1.0
76.000	26.6765	0.07902	1.2E 00	1.303E 00	1.057E 00	1.055E 00	-9.067E-02	-1.069E-01	3.0	1.0
77.000	26.5872	0.07891	1.2E 00	7.386E-01	1.059E 00	1.057E 00	-9.782E-02	-1.071E-01	3.0	1.0
78.000	26.4928	0.07881	1.1E 00	4.428E-01	1.060E 00	1.058E 00	-1.019E-01	-1.073E-01	3.0	1.0
79.000	26.3954	0.07872	1.1E 00	2.853E-01	1.061E 00	1.059E 00	-1.043E-01	-1.076E-01	3.0	1.0
80.000	26.2963	0.07863	1.1E 00	2.038E-01	1.062E 00	1.060E 00	-1.058E-01	-1.078E-01	3.0	1.0
81.000	26.1896	0.07855	1.2E 00	1.422E 00	1.063E 00	1.061E 00	-1.206E-01	-1.383E-01	3.0	1.0
82.000	26.0723	0.07848	1.2E 00	8.047E-01	1.063E 00	1.062E 00	-1.286E-01	-1.383E-01	3.0	1.0

79.000	26.3954	0.07872	1.1E 00	2.853E-01	1.061E 00	1.059E 00	-1.043E-01	-1.076E-01	3.0	1.0
80.000	26.2963	0.07863	1.1E 00	2.038E-01	1.062E 00	1.060E 00	-1.058E-01	-1.078E-01	3.0	1.0
81.000	26.1896	0.07855	1.2E 00	1.422E 00	1.063E 00	1.061E 00	-1.206E-01	-1.383E-01	3.0	1.0
82.000	26.0723	0.07848	1.2E 00	8.0[illegible]E-01	1.063E 00	1.062E 00	-1.285E-01	-1.[illegible]	[illegible]	[illegible]
83.000	25.9491	0.07845	1.1E 00	4.840E-01	1.063E 00	1.062E 00	-1.332E-01	-1.394E-01	3.0	1.0
84.000	25.8171	0.07845	1.2E 00	1.358E 00	1.062E 00	1.062E 00	-1.472E-01	-1.642E-01	3.0	1.0
85.000	25.6748	0.07848	1.2E 00	7.939E-01	1.061E 00	1.061E 00	-1.550E-01	-1.651E-01	3.0	1.0
86.000	25.5200	0.07855	1.3E 00	1.733E 00	1.059E 00	1.060E 00	-1.734E-01	-1.949E-01	3.0	1.0
87.000	25.3515	0.07867	1.2E 00	1.023E 00	1.056E 00	1.058E 00	-1.836E-01	-1.963E-01	3.0	1.0
88.000	25.1749	0.07883	1.2E 00	6.760E-01	1.053E 00	1.056E 00	-1.898E-01	-1.979E-01	3.0	1.0
89.000	24.9850	0.07906	1.3E 00	1.935E 00	1.047E 00	1.052E 00	-2.105E-01	-2.338E-01	3.0	1.0
90.000	24.7809	0.07852	1.3E 00	2.038E 00	1.092E 00	1.071E 00	-2.227E-01	-2.363E-01	3.0	1.0
91.000	24.5612	0.07759	1.4E 00	2.484E 00	1.085E 00	1.077E 00	-2.493E-01	-2.786E-01	3.0	1.0
91.200	24.5146	0.0154	1.3E 00	1.807E 00	1.080E 00	1.078E 00	-2.531E-01	-2.833E-01	2.0	1.0
91.400	24.4673	0.01546	1.3E 00	1.655E 00	1.078E 00	1.078E 00	-2.566E-01	-2.843E-01	2.0	1.0
91.600	24.4194	0.01547	1.3E 00	1.528E 00	1.076E 00	1.078E 00	-2.597E-01	-2.853E-01	2.0	1.0
91.800	24.3709	0.01547	1.2E 00	1.424E 00	1.074E 00	1.077E 00	-2.626E-01	-2.863E-01	2.0	1.0
92.000	24.3218	0.01548	1.2E 00	1.338E 00	1.072E 00	1.077E 00	-2.653E-01	-2.874E-01	2.0	1.0
92.200	24.2723	0.01548	1.2E 00	1.269E 00	1.071E 00	1.076E 00	-2.678E-01	-2.884E-01	2.0	1.0
92.400	24.2223	0.01549	1.2E 00	1.214E 00	1.069E 00	1.075E 00	-2.701E-01	-2.895E-01	2.0	1.0
92.600	24.1718	0.01551	1.2E 00	1.170E 00	1.067E 00	1.074E 00	-2.723E-01	-2.905E-01	2.0	1.0
92.800	24.1205	0.01552	1.4E 00	2.754E 00	1.064E 00	1.073E 00	-2.784E-01	-3.234E-01	2.0	1.0
93.000	24.0681	0.01554	1.4E 00	2.537E 00	1.061E 00	1.072E 00	-2.839E-01	-3.249E-01	2.0	1.0
93.200	24.0146	0.01556	1.3E 00	2.357E 00	1.058E 00	1.070E 00	-2.889E-01	-3.263E-01	2.0	1.0
93.400	23.9602	0.01559	1.3E 00	2.209E 00	1.055E 00	1.068E 00	-2.934E-01	-3.279E-01	2.0	1.0
93.600	23.9048	0.01561	1.3E 00	2.088E 00	1.052E 00	1.067E 00	-2.975E-01	-3.294E-01	2.0	1.0
93.800	23.8485	0.01564	1.4E 00	2.675E 00	1.049E 00	1.065E 00	-3.032E-01	-3.450E-01	2.0	1.0
94.000	23.7909	0.01567	1.4E 00	2.512E 00	1.046E 00	1.062E 00	-3.084E-01	-3.468E-01	2.0	1.0
94.200	23.7324	0.01571	1.3E 00	2.379E 00	1.042E 00	1.060E 00	-3.131E-01	-3.486E-01	2.0	1.0
94.400	23.6727	0.01574	1.4E 00	2.587E 00	1.038E 00	1.057E 00	-3.184E-01	-3.570E-01	2.0	1.0
94.600	23.6119	0.01578	1.4E 00	2.688E 00	1.034E 00	1.055E 00	-3.239E-01	-3.638E-01	2.0	1.0
94.800	23.5498	0.01583	1.4E 00	2.801E 00	1.030E 00	1.052E 00	-3.296E-01	-3.710E-01	2.0	1.0
95.000	23.4865	0.01587	1.4E 00	2.882E 00	1.026E 00	1.048E 00	-3.355E-01	-3.778E-01	2.0	1.0
95.200	23.4219	0.01592	1.4E 00	2.749E 00	1.022E 00	1.045E 00	-3.410E-01	-3.802E-01	2.0	1.0
95.400	23.3559	0.01597	1.4E 00	2.962E 00	1.017E 00	1.042E 00	-3.470E-01	-3.895E-01	2.0	1.0
95.600	23.2887	0.01603	1.4E 00	2.837E 00	1.012E 00	1.038E 00	-3.526E-01	-3.920E-01	2.0	1.0
95.800	23.2200	0.01608	1.4E 00	3.139E 00	1.007E 00	1.034E 00	-3.590E-01	-4.036E-01	2.0	1.0
96.000	23.1499	0.01615	1.4E 00	3.010E 00	1.002E 00	1.030E 00	-3.650E-01	-4.064E-01	2.0	1.0
96.200	23.0783	0.01621	1.4E 00	2.908E 00	9.973E-01	1.026E 00	-3.705E-01	-4.093E-01	2.0	1.0
96.400	23.0053	0.01628	1.4E 00	3.401E 00	9.914E-01	1.022E 00	-3.776E-01	-4.252E-01	2.0	1.0
96.600	22.9306	0.01635	1.4E 00	3.267E 00	9.858E-01	1.017E 00	-3.841E-01	-4.284E-01	2.0	1.0
96.800	22.8544	0.01639	1.4E 00	2.594E 00	1.009E 00	1.016E 00	-3.901E-01	-4.327E-01	2.0	1.0
97.000	22.7770	0.01642	1.4E 00	2.592E 00	1.002E 00	1.014E 00	-3.960E-01	-4.372E-01	2.0	1.0
97.200	22.6982	0.01645	1.4E 00	2.632E 00	9.943E-01	1.012E 00	-4.017E-01	-4.418E-01	2.0	1.0
97.400	22.6179	0.01650	1.4E 00	3.471E 00	9.847E-01	1.008E 00	-4.097E-01	-4.621E-01	2.0	1.0
97.600	22.5357	0.01657	1.4E 00	3.480E 00	9.758E-01	1.004E 00	-4.173E-01	-4.675E-01	2.0	1.0
97.800	22.4516	0.01664	1.4E 00	3.514E 00	9.669E-01	9.991E-01	-4.247E-01	-4.731E-01	2.0	1.0
98.000	22.3657	0.01673	1.4E 00	3.560E 00	9.580E-01	9.934E-01	-4.319E-01	-4.788E-01	2.0	1.0
98.200	22.2777	0.01682	1.4E 00	3.613E 00	9.491E-01	9.877E-01	-4.390E-01	-4.846E-01	2.0	1.0
98.400	22.1876	0.01693	1.5E 00	4.220E 00	9.382E-01	9.808E-01	-4.479E-01	-5.023E-01	3.0	1.0
98.600	22.0951	0.01706	1.5E 00	4.211E 00	9.280E-01	9.734E-01	-4.564E-01	-5.090E-01	2.0	1.0
98.800	22.0001	0.01719	1.5E 00	4.243E 00	9.178E-01	9.656E-01	-4.648E-01	-5.159E-01	2.0	1.0
99.000	21.9025	0.01733	1.5E 00	4.276E 00	9.076E-01	9.573E-01	-4.731E-01	-5.230E-01	2.0	1.0
99.200	21.8024	0.01749	1.5E 00	4.309E 00	8.974E-01	9.487E-01	-4.814E-01	-5.303E-01	2.0	1.0
99.400	21.6995	0.01765	1.5E 00	4.453E 00	8.863E-01	9.396E-01	-4.899E-01	-5.401E-01	2.0	1.0
99.600	21.5938	0.01783	1.5E 00	4.493E 00	8.755E-01	9.302E-01	-4.985E-01	-5.481E-01	2.0	1.0
99.800	21.4851	0.01801	1.5E 00	4.472E 00	8.645E-01	9.204E-01	-5.068E-01	-5.544E-01	2.0	1.0
100.000	21.3735	0.01821	1.5E 00	4.525E 00	8.534E-01	9.104E-01	-5.153E-01	-5.630E-01	2.0	1.0
100.200	21.2587	0.01841	1.5E 00	4.568E 00	8.424E-01	9.001E-01	-5.239E-01	-5.718E-01	2.0	1.0
100.400	21.1407	0.01863	1.5E 00	4.405E 00	8.314E-01	8.896E-01	-5.317E-01	-5.744E-01	2.0	1.0
100.600	21.0195	0.01885	1.5E 00	4.468E 00	8.204E-01	8.789E-01	-5.397E-01	-5.837E-01	2.0	1.0
100.800	20.8952	0.01908	1.5E 00	4.170E 00	8.097E-01	8.682E-01	-5.462E-01	-5.813E-01	2.0	1.0
101.000	20.7669	0.01942	1.6E 00	6.545E 00	7.511E-01	8.479E-01	-5.547E-01	-5.951E-01	3.0	1.0
101.200	20.6333	0.01989	1.6E 00	6.520E 00	7.340E-01	8.276E-01	-5.646E-01	-6.101E-01	3.0	1.0
101.400	20.4943	0.02038	1.6E 00	6.036E 00	7.180E-01	8.081E-01	-5.721E-01	-6.065E-01	3.0	1.0
101.600	20.3499	0.02088	1.6E 00	6.033E 00	7.017E-01	7.887E-01	-5.812E-01	-6.221E-01	3.0	1.0
101.800	20.1998	0.02139	1.6E 00	5.584E 00	6.864E-01	7.700E-01	-5.881E-01	-6.185E-01	3.0	1.0
102.000	20.0443	0.02191	1.6E 00	5.373E 00	6.716E-01	7.517E-01	-5.949E-01	-6.246E-01	3.0	1.0
102.200	19.8834	0.02243	1.5E 00	5.065E 00	6.578E-01	7.341E-01	-6.008E-01	-6.261E-01	3.0	1.0
102.400	19.7152	0.02322	1.7E 00	7.813E 00	5.818E-01	7.017E-01	-6.067E-01	-6.284E-01	3.0	1.0

102.600	19.5377	0.02426	1.7E 00	6.955E 00	5.664E-01	6.725E-01	-6.126E-01	-6.341E-01	3.0	1.0
102.800	19.3520	0.02527	1.6E 00	6.003E 00	5.534E-01	6.468E-01	-6.122E-01	-6.106E-01	3.0	1.0
103.000	19.1559	0.02659	1.7E 00	8.234E 00	4.818E-01	6.066E-01	-6.166E-01	-6.301E-01	3.0	1.0
103.200	18.9466	0.02825	1.7E 00	6.782E 00	4.700E-01	5.731E-01	-6.185E-01	-6.241E-01	3.0	1.0
103.400	18.7220	0.03045	1.8E 00	9.034E 00	3.891E-01	5.217E-01	-6.111E-01	-5.919E-01	3.0	1.0
103.600	18.4784	0.03323	1.7E 00	6.879E 00	3.798E-01	4.815E-01	-6.107E-01	-6.096E-01	3.0	1.0
103.800	18.2119	0.03711	1.8E 00	9.699E 00	2.885E-01	4.167E-01	-5.861E-01	-5.372E-01	3.0	1.0
104.000	17.9184	0.04222	1.6E 00	6.320E 00	2.879E-01	3.729E-01	-5.725E-01	-5.460E-01	3.0	1.0
104.105	17.7500	0.02460	1.7E 00	8.072E 00	2.126E-01	3.367E-01	-5.687E-01	-5.557E-01	6.0	-1.0
104.247	17.5000	0.03891	1.9E 00	1.154E 01	1.660E-01	2.745E-01	-5.021E-01	-3.859E-01	3.0	-1.0
104.376	17.2500	0.04368	1.8E 00	9.216E 00	1.227E-01	2.169E-01	-4.518E-01	-3.694E-01	3.0	-1.0
104.486	17.0000	0.04833	1.7E 00	7.776E 00	8.058E-02	1.629E-01	-4.104E-01	-3.470E-01	3.0	-1.0
104.574	16.7500	0.05328	1.7E 00	6.886E 00	3.957E-02	1.113E-01	-3.717E-01	-3.179E-01	4.0	-1.0
104.635	16.5000	0.05928	1.6E 00	6.320E 00	-5.181E-04	6.128E-02	-3.312E-01	-2.809E-01	4.0	-1.0
104.665	16.2500	0.06770	1.6E 00	5.974E 00	-4.061E-02	1.135E-02	-2.842E-01	-2.352E-01	4.0	-1.0
104.650	16.0000	0.08164	1.5E 00	5.722E 00	-8.280E-02	-4.124E-02	-2.261E-01	-1.800E-01	4.0	-1.0
104.583	15.8000	0.08471	1.6E 00	5.447E 00	-1.273E-01	-9.021E-02	-1.674E-01	-1.227E-01	4.0	-1.0
104.583	15.7000	0.05617	2.1E 00	1.489E 01	2.577E-01	9.001E-02	-1.294E-01	-9.384E-02	5.0	-1.0
104.695	15.6000	0.06977	1.7E 00	7.197E 00	2.577E-01	1.770E-01	-1.095E-01	-9.098E-02	4.0	-1.0
-0.		28.37500		1.00000	-0.					
XNN1	YNN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	28.3741	0.08339	1.1E 00	2.393E-01	9.963E-01	9.985E-01	-1.886E-03	-4.561E-03	2.0	1.0
2.000	28.3714	0.08350	1.1E 00	1.895E-01	9.965E-01	9.975E-01	-3.454E-03	-4.561E-03	1.0	1.0
3.000	28.3676	0.08356	1.0E 00	7.353E-02	9.968E-01	9.971E-01	-4.172E-03	-4.560E-03	1.0	1.0
4.000	28.3632	0.08358	1.0E 00	2.225E-02	9.970E-01	9.971E-01	-4.516E-03	-4.560E-03	1.0	1.0
5.000	28.3586	0.08357	1.0E 00	1.311E-02	9.973E-01	9.972E-01	-4.685E-03	-4.559E-03	1.0	1.0
6.000	28.3538	0.08356	1.0E 00	2.212E-02	9.976E-01	9.974E-01	-4.876E-03	-4.772E-03	1.0	1.0
7.000	28.3489	0.08354	1.0E 00	2.685E-02	9.978E-01	9.976E-01	-4.919E-03	-4.772E-03	1.0	1.0
8.000	28.3440	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.919E-03	-4.771E-03	1.0	1.0
9.000	28.3390	0.08350	1.0E 00	3.077E-02	9.984E-01	9.981E-01	-4.919E-03	-4.771E-03	1.0	1.0
10.000	28.3341	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.919E-03	-4.770E-03	1.0	1.0
11.000	28.3290	0.08345	1.0E 00	3.508E-02	9.990E-01	9.987E-01	-5.213E-03	-5.209E-03	1.0	1.0
12.000	28.3237	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.356E-03	-5.209E-03	1.0	1.0
13.000	28.3184	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.356E-03	-5.208E-03	1.0	1.0
14.000	28.3130	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.356E-03	-5.207E-03	1.0	1.0
15.000	28.3077	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.356E-03	-5.207E-03	1.0	1.0
16.000	28.3021	0.08333	1.0E 00	4.590E-02	1.000E 00	1.000E 00	-5.780E-03	-5.900E-03	1.0	1.0
17.000	28.2962	0.08331	1.0E 00	3.616E-02	1.001E 00	1.000E 00	-5.987E-03	-5.899E-03	1.0	1.0
18.000	28.2902	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.045E-03	-5.898E-03	1.0	1.0
19.000	28.2842	0.08325	1.0E 00	3.763E-02	1.001E 00	1.001E 00	-6.045E-03	-5.897E-03	1.0	1.0
20.000	28.2781	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.045E-03	-5.897E-03	1.0	1.0
21.000	28.2718	0.08320	1.0E 00	6.116E-02	1.002E 00	1.002E 00	-6.623E-03	-6.888E-03	1.0	1.0
22.000	28.2650	0.08317	1.0E 00	4.300E-02	1.003E 00	1.002E 00	-6.904E-03	-6.887E-03	1.0	1.0
23.000	28.2581	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.033E-03	-6.886E-03	1.0	1.0
24.000	28.2511	0.08310	1.0E 00	4.279E-02	1.003E 00	1.003E 00	-7.033E-03	-6.885E-03	1.0	1.0
25.000	28.2441	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.033E-03	-6.884E-03	1.0	1.0
26.000	28.2367	0.08304	1.0E 00	8.137E-02	1.004E 00	1.004E 00	-7.801E-03	-8.242E-03	1.0	1.0
27.000	28.2287	0.08301	1.0E 00	5.296E-02	1.005E 00	1.004E 00	-8.171E-03	-8.240E-03	1.0	1.0
28.000	28.2205	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.352E-03	-8.239E-03	1.0	1.0
29.000	28.2122	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.384E-03	-8.238E-03	1.0	1.0
30.000	28.2038	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.384E-03	-8.237E-03	1.0	1.0
31.000	28.1950	0.08286	1.0E 00	1.078E-01	1.006E 00	1.006E 00	-9.394E-03	-1.006E-02	1.0	1.0
32.000	28.1854	0.08282	1.0E 00	6.656E-02	1.007E 00	1.006E 00	-9.877E-03	-1.005E-02	1.0	1.0
33.000	28.1755	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.011E-02	-1.005E-02	1.0	1.0
34.000	28.1654	0.08274	1.0E 00	5.818E-02	1.008E 00	1.007E 00	-1.020E-02	-1.005E-02	1.0	1.0
35.000	28.1553	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.020E-02	-1.005E-02	1.0	1.0
36.000	28.1447	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008E 00	-1.124E-02	-1.246E-02	3.0	1.0
37.000	28.1332	0.08261	1.0E 00	7.747E-02	1.010E 00	1.009E 00	-1.186E-02	-1.246E-02	3.0	1.0
38.000	28.1213	0.08257	1.0E 00	6.258E-02	1.010E 00	1.010E 00	-1.219E-02	-1.246E-02	2.0	1.0
39.000	28.1091	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.240E-02	-1.246E-02	2.0	1.0
40.000	28.0968	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.257E-02	-1.246E-02	1.0	1.0
41.000	28.0836	0.08241	1.1E 00	1.503E-01	1.012E 00	1.011E 00	-1.396E-02	-1.566E-02	3.0	1.0
42.000	28.0694	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.477E-02	-1.566E-02	3.0	1.0
43.000	28.0546	0.08231	1.0E 00	8.005E-02	1.014E 00	1.013E 00	-1.521E-02	-1.565E-02	2.0	1.0
44.000	28.0395	0.08225	1.0E 00	7.898E-02	1.015E 00	1.014E 00	-1.549E-02	-1.565E-02	2.0	1.0
45.000	28.0241	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.565E-02	-1.565E-02	2.0	1.0

[illegible]	28.0291	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.549E-02	-1.565E-02	2.0	1.0

46.000	28.0078	0.08213	1.1E 00	2.080E-01	1.016E 00	1.015E 00	-1.753E-02	-1.990E-02	3.0	1.0
47.000	27.9900	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.862E-02	-1.990E-02	3.0	1.0
48.000	27.9713	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.926E-02	-1.990E-02	3.0	1.0
49.000	27.9522	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.960E-02	-1.949E-02	2.0	1.0
50.000	27.9329	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.982E-02	-1.984E-02	2.0	1.0
51.000	27.9122	0.08177	1.1E 00	2.767E-01	1.021E 00	1.020E 00	-2.234E-02	-2.558E-02	3.0	1.0
52.000	27.8896	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.379E-02	-2.557E-02	3.0	1.0
53.000	27.8659	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.463E-02	-2.557E-02	3.0	1.0
54.000	27.8415	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.509E-02	-2.557E-02	2.0	1.0
55.000	27.8169	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.538E-02	-2.556E-02	2.0	1.0
56.000	27.7904	0.08135	1.1E 00	3.706E-01	1.027E 00	1.025E 00	-2.880E-02	-3.323E-02	3.0	1.0
57.000	27.7614	0.08125	1.1E 00	2.372E-01	1.028E 00	1.026E 00	-3.075E-02	-3.323E-02	3.0	1.0
58.000	27.7309	0.08115	1.1E 00	1.760E-01	1.029E 00	1.028E 00	-3.187E-02	-3.322E-02	3.0	1.0
59.000	27.6996	0.08105	1.1E 00	1.528E-01	1.031E 00	1.029E 00	-3.254E-02	-3.322E-02	3.0	1.0
60.000	27.6678	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.290E-02	-3.321E-02	2.0	1.0
61.000	27.6336	0.08085	1.1E 00	4.979E-01	1.033E 00	1.031E 00	-3.759E-02	-4.365E-02	3.0	1.0
62.000	27.5959	0.08073	1.1E 00	3.096E-01	1.035E 00	1.033E 00	-4.023E-02	-4.365E-02	3.0	1.0
63.000	27.5563	0.08062	1.1E 00	2.196E-01	1.036E 00	1.034E 00	-4.174E-02	-4.365E-02	3.0	1.0
64.000	27.5155	0.08051	1.1E 00	1.830E-01	1.038E 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.4741	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.313E-02	-4.366E-02	2.0	1.0
66.000	27.4294	0.08028	1.2E 00	6.776E-01	1.041E 00	1.039E 00	-4.967E-02	-5.800E-02	3.0	1.0
67.000	27.3799	0.08015	1.1E 00	4.085E-01	1.043E 00	1.041E 00	-5.328E-02	-5.802E-02	3.0	1.0
68.000	27.3278	0.08002	1.1E 00	2.747E-01	1.044E 00	1.042E 00	-5.535E-02	-5.804E-02	3.0	1.0
69.000	27.2741	0.07990	1.1E 00	2.155E-01	1.046E 00	1.044E 00	-5.657E-02	-5.807E-02	3.0	1.0
70.000	27.2196	0.07977	1.1E 00	1.936E-01	1.048E 00	1.045E 00	-5.730E-02	-5.809E-02	3.0	1.0
71.000	27.1605	0.07964	1.2E 00	9.291E-01	1.050E 00	1.047E 00	-6.653E-02	-7.806E-02	3.0	1.0
72.000	27.0946	0.07951	1.1E 00	5.424E-01	1.051E 00	1.049E 00	-7.155E-02	-7.813E-02	3.0	1.0
73.000	27.0251	0.07939	1.1E 00	3.435E-01	1.053E 00	1.051E 00	-7.441E-02	-7.821E-02	3.0	1.0
74.000	26.9535	0.07927	1.1E 00	2.468E-01	1.054E 00	1.052E 00	-7.610E-02	-7.829E-02	3.0	1.0
75.000	26.8807	0.07915	1.1E 00	2.054E-01	1.056E 00	1.054E 00	-7.713E-02	-7.837E-02	3.0	1.0
76.000	26.8013	0.07902	1.2E 00	1.295E 00	1.057E 00	1.055E 00	-9.044E-02	-1.065E-01	3.0	1.0
77.000	26.7123	0.07891	1.2E 00	7.345E-01	1.059E 00	1.057E 00	-9.754E-02	-1.067E-01	3.0	1.0
78.000	26.6181	0.07881	1.1E 00	4.406E-01	1.060E 00	1.058E 00	-1.016E-01	-1.070E-01	3.0	1.0
79.000	26.5211	0.07872	1.1E 00	2.841E-01	1.061E 00	1.059E 00	-1.040E-01	-1.072E-01	3.0	1.0
80.000	26.4222	0.07863	1.1E 00	2.032E-01	1.062E 00	1.060E 00	-1.055E-01	-1.075E-01	3.0	1.0
81.000	26.3159	0.07855	1.2E 00	1.410E 00	1.063E 00	1.061E 00	-1.201E-01	-1.377E-01	3.0	1.0
82.000	26.1990	0.07849	1.2E 00	8.022E-01	1.063E 00	1.062E 00	-1.280E-01	-1.382E-01	3.0	1.0
83.000	26.0764	0.07845	1.1E 00	4.806E-01	1.063E 00	1.062E 00	-1.326E-01	-1.388E-01	3.0	1.0
84.000	25.9450	0.07845	1.2E 00	1.345E 00	1.062E 00	1.062E 00	-1.465E-01	-1.634E-01	3.0	1.0
85.000	25.8034	0.07848	1.2E 00	7.872E-01	1.061E 00	1.061E 00	-1.542E-01	-1.643E-01	3.0	1.0
86.000	25.6494	0.07855	1.3E 00	1.715E 00	1.059E 00	1.060E 00	-1.725E-01	-1.937E-01	3.0	1.0
87.000	25.4818	0.07867	1.2E 00	1.014E 00	1.056E 00	1.058E 00	-1.825E-01	-1.951E-01	3.0	1.0
88.000	25.3063	0.07883	1.2E 00	6.709E-01	1.053E 00	1.056E 00	-1.886E-01	-1.967E-01	3.0	1.0
89.000	25.1177	0.07906	1.3E 00	1.913E 00	1.047E 00	1.052E 00	-2.091E-01	-2.321E-01	3.0	1.0
90.000	24.9130	0.07938	1.2E 00	1.195E 00	1.042E 00	1.048E 00	-2.206E-01	-2.345E-01	3.0	1.0
91.000	24.6915	0.07886	1.4E 00	2.842E 00	1.085E 00	1.066E 00	-2.477E-01	-2.758E-01	3.0	1.0
91.200	24.6447	0.01562	1.3E 00	1.888E 00	1.080E 00	1.067E 00	-2.514E-01	-2.805E-01	2.0	1.0
91.400	24.5973	0.01560	1.3E 00	1.690E 00	1.078E 00	1.069E 00	-2.548E-01	-2.815E-01	2.0	1.0
91.600	24.5493	0.01559	1.3E 00	1.526E 00	1.076E 00	1.069E 00	-2.579E-01	-2.825E-01	2.0	1.0
91.800	24.5009	0.01558	1.2E 00	1.389E 00	1.074E 00	1.070E 00	-2.607E-01	-2.835E-01	2.0	1.0
92.000	24.4519	0.01557	1.2E 00	1.279E 00	1.072E 00	1.070E 00	-2.633E-01	-2.846E-01	2.0	1.0
92.200	24.4025	0.01557	1.2E 00	1.190E 00	1.071E 00	1.070E 00	-2.657E-01	-2.856E-01	2.0	1.0
92.400	24.3526	0.01557	1.2E 00	1.121E 00	1.069E 00	1.070E 00	-2.679E-01	-2.867E-01	2.0	1.0
92.600	24.3023	0.01558	1.2E 00	1.068E 00	1.067E 00	1.070E 00	-2.700E-01	-2.877E-01	2.0	1.0
92.800	24.2513	0.01558	1.4E 00	2.643E 00	1.064E 00	1.069E 00	-2.760E-01	-3.197E-01	2.0	1.0
93.000	24.1992	0.01560	1.3E 00	2.428E 00	1.061E 00	1.068E 00	-2.813E-01	-3.212E-01	2.0	1.0
93.200	24.1460	0.01561	1.3E 00	2.252E 00	1.058E 00	1.067E 00	-2.861E-01	-3.226E-01	2.0	1.0
93.400	24.0919	0.01563	1.3E 00	2.109E 00	1.055E 00	1.066E 00	-2.905E-01	-3.241E-01	2.0	1.0
93.600	24.0370	0.01565	1.3E 00	1.993E 00	1.052E 00	1.064E 00	-2.945E-01	-3.257E-01	2.0	1.0
93.800	23.9811	0.01567	1.4E 00	2.575E 00	1.049E 00	1.062E 00	-3.000E-01	-3.408E-01	2.0	1.0
94.000	23.9241	0.01570	1.3E 00	2.419E 00	1.046E 00	1.060E 00	-3.051E-01	-3.426E-01	2.0	1.0
94.200	23.8661	0.01573	1.3E 00	2.294E 00	1.042E 00	1.058E 00	-3.097E-01	-3.444E-01	2.0	1.0
94.400	23.8070	0.01577	1.4E 00	2.503E 00	1.038E 00	1.056E 00	-3.148E-01	-3.526E-01	2.0	1.0
94.600	23.7468	0.01580	1.4E 00	2.606E 00	1.034E 00	1.053E 00	-3.202E-01	-3.592E-01	2.0	1.0
94.800	23.6854	0.01584	1.4E 00	2.721E 00	1.030E 00	1.051E 00	-3.258E-01	-3.662E-01	2.0	1.0
95.000	23.6227	0.01589	1.4E 00	2.805E 00	1.026E 00	1.048E 00	-3.315E-01	-3.729E-01	2.0	1.0

95.200	23.5588	0.01593	1.4E 00	2.679E 00	1.022E 00	1.044E 00	-3.368E-01	-3.752E-01	2.0	1.0
95.400	23.4936	0.01598	1.4E 00	2.891E 00	1.017E 00	1.041E 00	-3.427E-01	-3.843E-01	2.0	1.0
95.600	23.4272	0.01604	1.4E 00	2.774E 00	1.012E 00	1.037E 00	-3.481E-01	-3.868E-01	2.0	1.0
95.800	23.3593	0.01609	1.4E 00	3.070E 00	1.007E 00	1.034E 00	-3.544E-01	-3.980E-01	2.0	1.0
96.000	23.2901	0.01615	1.4E 00	2.950E 00	1.002E 00	1.030E 00	-3.602E-01	-4.008E-01	2.0	1.0
96.200	23.2195	0.01622	1.4E 00	2.855E 00	9.973E-01	1.026E 00	-3.656E-01	-4.036E-01	2.0	1.0
96.400	23.1473	0.01628	1.4E 00	3.333E 00	9.914E-01	1.021E 00	-3.725E-01	-4.189E-01	2.0	1.0
96.600	23.0736	0.01635	1.4E 00	3.208E 00	9.858E-01	1.017E 00	-3.789E-01	-4.221E-01	2.0	1.0
96.800	22.9983	0.01643	1.4E 00	3.109E 00	9.802E-01	1.012E 00	-3.848E-01	-4.254E-01	2.0	1.0
97.000	22.9217	0.01648	1.3E 00	2.377E 00	1.002E 00	1.011E 00	-3.902E-01	-4.287E-01	2.0	1.0
97.200	22.8439	0.01650	1.3E 00	2.428E 00	9.943E-01	1.009E 00	-3.956E-01	-4.332E-01	2.0	1.0
97.400	22.7646	0.01655	1.4E 00	3.234E 00	9.847E-01	1.006E 00	-4.029E-01	-4.522E-01	2.0	1.0
97.600	22.6836	0.01660	1.4E 00	3.270E 00	9.758E-01	1.002E 00	-4.101E-01	-4.576E-01	2.0	1.0
97.800	22.6009	0.01667	1.4E 00	3.329E 00	9.669E-01	9.972E-01	-4.170E-01	-4.631E-01	2.0	1.0
98.000	22.5163	0.01676	1.4E 00	3.400E 00	9.580E-01	9.920E-01	-4.239E-01	-4.687E-01	2.0	1.0
98.200	22.4299	0.01685	1.4E 00	3.473E 00	9.491E-01	9.863E-01	-4.307E-01	-4.744E-01	2.0	1.0
98.400	22.3415	0.01695	1.5E 00	4.024E 00	9.382E-01	9.797E-01	-4.390E-01	-4.909E-01	2.0	1.0
98.600	22.2507	0.01707	1.5E 00	4.073E 00	9.280E-01	9.725E-01	-4.471E-01	-4.975E-01	2.0	1.0
98.800	22.1575	0.01721	1.5E 00	4.124E 00	9.178E-01	9.648E-01	-4.552E-01	-5.043E-01	2.0	1.0
99.000	22.0620	0.01735	1.5E 00	4.174E 00	9.076E-01	9.567E-01	-4.631E-01	-5.113E-01	2.0	1.0
99.200	21.9639	0.01750	1.5E 00	4.219E 00	8.974E-01	9.483E-01	-4.711E-01	-5.184E-01	2.0	1.0
99.400	21.8632	0.01766	1.5E 00	4.356E 00	8.863E-01	9.393E-01	-4.793E-01	-5.275E-01	2.0	1.0
99.600	21.7597	0.01783	1.5E 00	4.409E 00	8.755E-01	9.299E-01	-4.875E-01	-5.354E-01	2.0	1.0
99.800	21.6535	0.01802	1.5E 00	4.393E 00	8.645E-01	9.202E-01	-4.955E-01	-5.413E-01	2.0	1.0
100.000	21.5443	0.01821	1.5E 00	4.454E 00	8.534E-01	9.102E-01	-5.037E-01	-5.497E-01	2.0	1.0
100.200	21.4321	0.01841	1.5E 00	4.504E 00	8.424E-01	9.000E-01	-5.120E-01	-5.583E-01	2.0	1.0
100.400	21.3168	0.01863	1.5E 00	4.351E 00	8.314E-01	8.895E-01	-5.194E-01	-5.608E-01	2.0	1.0
100.600	21.1984	0.01885	1.5E 00	4.417E 00	8.204E-01	8.789E-01	-5.272E-01	-5.699E-01	2.0	1.0
100.800	21.0770	0.01908	1.5E 00	4.136E 00	8.097E-01	8.682E-01	-5.335E-01	-5.676E-01	2.0	1.0
101.000	20.9526	0.01932	1.5E 00	4.215E 00	7.989E-01	8.574E-01	-5.403E-01	-5.769E-01	2.0	1.0
101.200	20.8239	0.01969	1.7E 00	6.817E 00	7.340E-01	8.354E-01	-5.489E-01	-5.884E-01	3.0	1.0
101.400	20.6900	0.02020	1.6E 00	6.320E 00	7.180E-01	8.145E-01	-5.554E-01	-5.852E-01	3.0	1.0
101.600	20.5509	0.02072	1.6E 00	6.226E 00	7.017E-01	7.939E-01	-5.636E-01	-6.001E-01	3.0	1.0
101.800	20.4063	0.02126	1.6E 00	5.776E 00	6.864E-01	7.742E-01	-5.698E-01	-5.972E-01	3.0	1.0
102.000	20.2565	0.02180	1.6E 00	5.527E 00	6.716E-01	7.551E-01	-5.761E-01	-6.034E-01	3.0	1.0
102.200	20.1013	0.02234	1.6E 00	5.199E 00	6.578E-01	7.368E-01	-5.816E-01	-6.052E-01	3.0	1.0
102.400	19.9409	0.02289	1.5E 00	4.860E 00	6.448E-01	7.194E-01	-5.861E-01	-6.053E-01	3.0	1.0
102.600	19.7754	0.02371	1.7E 00	7.790E 00	5.664E-01	6.862E-01	-5.911E-01	-6.090E-01	3.0	1.0
102.800	19.5975	0.02481	1.7E 00	6.687E 00	5.534E-01	6.573E-01	-5.905E-01	-5.883E-01	3.0	1.0
103.000	19.4137	0.02586	1.6E 00	5.919E 00	5.404E-01	6.316E-01	-5.937E-01	-6.050E-01	3.0	1.0
103.200	19.2193	0.02725	1.7E 00	8.004E 00	4.700E-01	5.917E-01	-5.952E-01	-5.994E-01	3.0	1.0
103.400	19.0136	0.02895	1.6E 00	6.502E 00	4.625E-01	5.596E-01	-5.892E-01	-5.711E-01	3.0	1.0
103.600	18.7980	0.03050	1.6E 00	5.263E 00	4.533E-01	5.332E-01	-5.886E-01	-5.867E-01	3.0	1.0
103.800	18.5711	0.03265	1.7E 00	8.198E 00	3.765E-01	4.878E-01	-5.697E-01	-5.232E-01	3.0	1.0
104.000	18.3315	0.03537	1.6E 00	5.810E 00	3.732E-01	4.569E-01	-5.593E-01	-5.333E-01	3.0	1.0
104.200	18.0708	0.03906	1.7E 00	7.917E 00	2.872E-01	3.987E-01	-5.536E-01	-5.420E-01	3.0	1.0
104.400	17.7942	0.04384	1.8E 00	8.280E 00	2.991E-01	3.617E-01	-4.978E-01	-4.034E-01	3.0	1.0
104.432	17.7500	0.00746	1.8E 00	8.827E 00	2.366E-01	3.522E-01	-4.899E-01	-3.936E-01	5.0	-1.0
104.603	17.5000	0.04431	1.8E 00	8.760E 00	1.913E-01	2.911E-01	-4.505E-01	-3.859E-01	3.0	-1.0
104.755	17.2500	0.04791	1.7E 00	7.114E 00	1.576E-01	2.395E-01	-4.192E-01	-3.694E-01	3.0	-1.0
104.890	17.0000	0.05145	1.6E 00	6.052E 00	1.269E-01	1.949E-01	-3.907E-01	-3.470E-01	3.0	-1.0
105.006	16.7500	0.05544	1.6E 00	5.358E 00	1.001E-01	1.560E-01	-3.608E-01	-3.179E-01	3.0	-1.0
105.120	16.5000	0.07081	1.9E 00	1.015E 01	7.780E-02	1.120E-01	-2.276E-01	-1.236E-01	5.0	-1.0
105.183	16.3750	0.05188	1.6E 00	6.454E 00	5.885E-02	9.053E-02	-1.740E-01	-9.472E-02	4.0	-1.0
105.254	16.2500	0.06932	1.5E 00	4.417E 00	6.978E-02	8.070E-02	-1.266E-01	-7.371E-02	4.0	-1.0
105.340	16.1250	0.09979	1.4E 00	3.236E 00	4.986E-02	6.244E-02	-8.221E-02	-5.144E-02	4.0	-1.0
105.395	16.0625	0.07285	1.3E 00	2.136E 00	6.620E-02	6.411E-02	-6.078E-02	-3.379E-02	4.0	-1.0
105.480	16.0000	0.10448	1.3E 00	1.656E 00	7.675E-02	7.129E-02	-3.892E-02	-2.202E-02	4.0	-1.0
105.602	15.9750	0.06399	2.0E 00	1.301E 01	3.885E-01	2.463E-01	-2.619E-02	-1.571E-02	5.0	-1.0
105.911	15.9531	0.07993	1.8E 00	9.772E 00	4.945E-01	3.971E-01	-1.942E-02	-1.489E-02	4.0	-1.0
106.111	15.9427	0.04719	1.8E 00	9.672E 00	1.820E-01	3.092E-01	-1.748E-02	-1.451E-02	9.0	1.0

-0. 28.43750 1.00000 -0.

XNN1	YMN1	DTM	CK	REN	VDX	VDXMN1	VDYMN1	VDY	XKT	DIRECT
1.000	28.4366	0.08339	1.1E 00	2.394E-01	9.963E-01	9.985E-01	-1.888E-03	-4.567E-03	2.0	1.0
2.000	28.4339	0.08350	1.1E 00	1.896E-01	9.965E-01	9.975E-01	-3.458E-03	-4.567E-03	1.0	1.0
3.000	28.4300	0.08356	1.0E 00	7.361E-02	9.968E-01	9.971E-01	-4.178E-03	-4.567E-03	1.0	1.0

1.000	28.4366	0.08339	1.1E 00	2.394E-01	9.963E-01	9.985E-01	-1.888E-03	-4.567E-03	2.0	1.0
2.000	28.4339	0.08350	1.1E 00	1.896E-01	9.965E-01	9.975E-01	-3.458E-03	-4.567E-03	1.0	1.0
3.000	28.4300	0.08356	1.0E 00	7.361E-02	9.968E-01	9.971E-01	-4.178E-03	-4.567E-03	1.0	1.0
4.000	28.4257	0.08358	1.0E 00	2.229E-02	9.970E-01	9.971E-01	-4.522E-03	-4.566E-03	1.0	1.0
5.000	28.4211	0.08357	1.0E 00	1.311E-02	9.973E-01	9.972E-01	-4.691E-03	-4.566E-03	1.0	1.0
6.000	28.4163	0.08356	1.0E 00	2.213E-02	9.976E-01	9.974E-01	-4.882E-03	-4.779E-03	1.0	1.0
7.000	28.4113	0.08354	1.0E 00	2.685E-02	9.978E-01	9.976E-01	-4.925E-03	-4.778E-03	1.0	1.0
8.000	28.4064	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.925E-03	-4.778E-03	1.0	1.0
9.000	28.4015	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.925E-03	-4.777E-03	1.0	1.0
10.000	28.3965	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.925E-03	-4.777E-03	1.0	1.0
11.000	28.3915	0.08345	1.0E 00	3.509E-02	9.990E-01	9.987E-01	-5.220E-03	-5.216E-03	1.0	1.0
12.000	28.3862	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.363E-03	-5.216E-03	1.0	1.0
13.000	28.3808	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.363E-03	-5.215E-03	1.0	1.0
14.000	28.3754	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.363E-03	-5.214E-03	1.0	1.0
15.000	28.3701	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.363E-03	-5.214E-03	1.0	1.0
16.000	28.3645	0.08333	1.0E 00	4.592E-02	1.000E 00	1.000E 00	-5.787E-03	-5.907E-03	1.0	1.0
17.000	28.3586	0.08331	1.0E 00	3.616E-02	1.001E 00	1.000E 00	-5.994E-03	-5.907E-03	1.0	1.0
18.000	28.3526	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.052E-03	-5.906E-03	1.0	1.0
19.000	28.3465	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.052E-03	-5.905E-03	1.0	1.0
20.000	28.3405	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.052E-03	-5.904E-03	1.0	1.0
21.000	28.3342	0.08320	1.0E 00	6.120E-02	1.002E 00	1.002E 00	-6.631E-03	-6.897E-03	1.0	1.0
22.000	28.3274	0.08317	1.0E 00	4.300E-02	1.003E 00	1.002E 00	-6.912E-03	-6.896E-03	1.0	1.0
23.000	28.3204	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.041E-03	-6.895E-03	1.0	1.0
24.000	28.3134	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-7.041E-03	-6.894E-03	1.0	1.0
25.000	28.3064	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.041E-03	-6.893E-03	1.0	1.0
26.000	28.2990	0.08304	1.0E 00	8.141E-02	1.004E 00	1.004E 00	-7.810E-03	-8.251E-03	1.0	1.0
27.000	28.2910	0.08301	1.0E 00	5.298E-02	1.005E 00	1.004E 00	-8.180E-03	-8.250E-03	1.0	1.0
28.000	28.2828	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.361E-03	-8.249E-03	1.0	1.0
29.000	28.2745	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.394E-03	-8.248E-03	1.0	1.0
30.000	28.2661	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.394E-03	-8.246E-03	1.0	1.0
31.000	28.2573	0.08286	1.0E 00	1.078E-01	1.006E 00	1.006E 00	-9.404E-03	-1.007E-02	1.0	1.0
32.000	28.2477	0.08282	1.0E 00	6.658E-02	1.007E 00	1.006E 00	-9.887E-03	-1.006E-02	1.0	1.0
33.000	28.2377	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.012E-02	-1.006E-02	1.0	1.0
34.000	28.2277	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.021E-02	-1.006E-02	1.0	1.0
35.000	28.2175	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.021E-02	-1.006E-02	1.0	1.0
36.000	28.2069	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008E 00	-1.125E-02	-1.248E-02	3.0	1.0
37.000	28.1954	0.08261	1.0E 00	7.790E-02	1.010E 00	1.009E 00	-1.187E-02	-1.247E-02	3.0	1.0
38.000	28.1835	0.08257	1.0E 00	6.259E-02	1.010E 00	1.010E 00	-1.220E-02	-1.247E-02	2.0	1.0
39.000	28.1713	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.241E-02	-1.247E-02	2.0	1.0
40.000	28.1589	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.259E-02	-1.247E-02	1.0	1.0
41.000	28.1458	0.08241	1.1E 00	1.503E-01	1.012E 00	1.011E 00	-1.347E-02	-1.567E-02	3.0	1.0
42.000	28.1316	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.478E-02	-1.567E-02	3.0	1.0
43.000	28.1168	0.08231	1.0E 00	8.006E-02	1.014E 00	1.013E 00	-1.522E-02	-1.567E-02	2.0	1.0
44.000	28.1016	0.08225	1.0E 00	7.898E-02	1.015E 00	1.014E 00	-1.550E-02	-1.566E-02	2.0	1.0
45.000	28.0862	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.567E-02	-1.566E-02	2.0	1.0
46.000	28.0699	0.08213	1.1E 00	2.080E-01	1.016E 00	1.015E 00	-1.755E-02	-1.992E-02	3.0	1.0
47.000	28.0521	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.863E-02	-1.991E-02	3.0	1.0
48.000	28.0334	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.927E-02	-1.991E-02	3.0	1.0
49.000	28.0143	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.962E-02	-1.991E-02	2.0	1.0
50.000	27.9949	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.983E-02	-1.990E-02	2.0	1.0
51.000	27.9742	0.08177	1.1E 00	2.766E-01	1.021E 00	1.020E 00	-2.236E-02	-2.559E-02	3.0	1.0
52.000	27.9516	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.380E-02	-2.559E-02	3.0	1.0
53.000	27.9279	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.464E-02	-2.558E-02	3.0	1.0
54.000	27.9036	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.510E-02	-2.558E-02	2.0	1.0
55.000	27.8789	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.539E-02	-2.557E-02	2.0	1.0
56.000	27.8524	0.08135	1.1E 00	3.704E-01	1.027E 00	1.025E 00	-2.881E-02	-3.324E-02	3.0	1.0
57.000	27.8234	0.08123	1.1E 00	2.371E-01	1.028E 00	1.026E 00	-3.076E-02	-3.323E-02	3.0	1.0
58.000	27.7929	0.08115	1.1E 00	1.759E-01	1.029E 00	1.028E 00	-3.188E-02	-3.323E-02	3.0	1.0
59.000	27.7616	0.08105	1.1E 00	1.528E-01	1.031E 00	1.029E 00	-3.254E-02	-3.323E-02	3.0	1.0
60.000	27.7298	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.291E-02	-3.322E-02	2.0	1.0
61.000	27.6956	0.08085	1.1E 00	4.974E-01	1.033E 00	1.031E 00	-3.760E-02	-4.364E-02	3.0	1.0
62.000	27.6579	0.08073	1.1E 00	3.094E-01	1.035E 00	1.033E 00	-4.023E-02	-4.364E-02	3.0	1.0
63.000	27.6182	0.08062	1.1E 00	2.195E-01	1.036E 00	1.034E 00	-4.174E-02	-4.365E-02	3.0	1.0
64.000	27.5775	0.08051	1.1E 00	1.829E-01	1.038E 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.5361	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.312E-02	-4.365E-02	2.0	1.0
66.000	27.4914	0.08028	1.2E 00	6.766E-01	1.041E 00	1.039E 00	-4.965E-02	-5.798E-02	3.0	1.0
67.000	27.4419	0.08015	1.1E 00	4.080E-01	1.043E 00	1.041E 00	-5.326E-02	-5.799E-02	3.0	1.0
68.000	27.3898	0.08002	1.1E 00	2.745E-01	1.044E 00	1.042E 00	-5.533E-02	-5.802E-02	3.0	1.0
69.000	27.3362	0.07990	1.1E 00	2.154E-01	1.046E 00	1.044E 00	-5.654E-02	-5.804E-02	3.0	1.0

70.000	27.2817	0.07977	1.1E 00	1.935E-01	1.048E 00	1.045E 00	-5.727E-02	-5.806E-02	3.0	1.0
71.000	27.2225	0.07964	1.2E 00	9.271E-01	1.050E 00	1.047E 00	-6.044E-02	-7.799E-02	3.0	1.0
72.000	27.1567	0.07951	1.1E 00	5.413E-01	1.051E 00	1.049E 00	-7.149E-02	-7.406E-02	3.0	1.0
73.000	27.0873	0.07939	1.1E 00	3.430E-01	1.053E 00	1.051E 00	-7.434E-02	-7.813E-02	3.0	1.0
74.000	27.0157	0.07927	1.1E 00	2.466E-01	1.054E 00	1.052E 00	-7.603E-02	-7.822E-02	3.0	1.0
75.000	26.9431	0.07915	1.1E 00	2.053E-01	1.056E 00	1.054E 00	-7.705E-02	-7.830E-02	3.0	1.0
76.000	26.8697	0.07902	1.2E 00	1.291E 00	1.057E 00	1.055E 00	-9.032E-02	-1.064E-01	3.0	1.0
77.000	26.7748	0.07891	1.2E 00	7.324E-01	1.059E 00	1.057E 00	-9.740E-02	-1.066E-01	3.0	1.0
78.000	26.6808	0.07881	1.1E 00	4.395E-01	1.060E 00	1.058E 00	-1.014E-01	-1.068E-01	3.0	1.0
79.000	26.5839	0.07872	1.1E 00	2.835E-01	1.061E 00	1.059E 00	-1.038E-01	-1.071E-01	3.0	1.0
80.000	26.4852	0.07863	1.1E 00	2.029E-01	1.062E 00	1.060E 00	-1.053E-01	-1.073E-01	3.0	1.0
81.000	26.3790	0.07855	1.2E 00	1.405F 00	1.063F 00	1.061F 00	-1.199E-01	-1.374E-01	3.0	1.0
82.000	26.2624	0.07849	1.2E 00	7.991E-01	1.063E 00	1.062E 00	-1.278E-01	-1.379E-01	3.0	1.0
83.000	26.1400	0.07845	1.1E 00	4.7 3E-01	1.063E 00	1.062E 00	-1.323E-01	-1.385E-01	3.0	1.0
84.000	26.0049	0.07845	1.2E 00	1.339E 00	1.062E 00	1.062E 00	-1.462F-01	-1.630E-01	3.0	1.0
85.000	25.8676	0.07848	1.2E 00	7.839E-01	1.061E 00	1.061F 00	-1.533E-01	-1.638E-01	3.0	1.0
86.000	25.7141	0.07855	1.3E 00	1.706E 00	1.059E 00	1.060F 00	-1.720E-01	-1.731E-01	3.0	1.0
87.000	25.5470	0.07867	1.2E 00	1.009F 00	1.056E 00	1.058E 00	-1.814E-01	-1.945E-01	3.0	1.0
88.000	25.3720	0.07883	1.2E 00	6.684E-01	1.053E 00	1.056E 00	-1.881F-01	-1.961E-01	3.0	1.0
89.000	25.1840	0.07906	1.3E 00	1.902E 00	1.047E 00	1.052E 00	-2.083C-01	-2.313E-01	3.0	1.0
90.000	24.9801	0.07938	1.2E 00	1.190E 00	1.042F 00	1.048C 00	-2.194F-01	-2.337E-01	3.0	1.0
91.000	24.7594	0.07986	1.4F 00	8.820F 00	1.035L 00	1.044E 00	-2.466F-01	-2.744E-01	3.0	1.0
91.200	24.7128	0.01562	1.3F 00	1.873F 00	1.080C 00	1.067C 00	-2.503F-01	-2.791E-01	2.0	1.0
91.400	24.6657	0.01560	1.3E 00	1.676E 00	1.078E 00	1.069E 00	-2.536F-01	-2.811E-01	2.0	1.0
91.600	24.6179	0.01559	1.3E 00	1.513E 00	1.076E 00	1.069E 00	-2.566F-01	-2.811E-01	2.0	1.0
91.800	24.5697	0.01558	1.2E 00	1.378E 00	1.074E 00	1.070E 00	-2.594E-01	-2.821E-01	2.0	1.0
92.000	24.5210	0.01557	1.2E 00	1.266F 00	1.072E 00	1.070E 00	-2.620E-01	-2.831E-01	2.0	1.0
92.200	24.4718	0.01557	1.2E 00	1.180F 00	1.071E 00	1.070E 00	-2.644F-01	-2.841E-01	2.0	1.0
92.400	24.4222	0.01557	1.2E 00	1.112E 00	1.069E 00	1.070E 00	-2.666F-01	-2.852E-01	2.0	1.0
92.600	24.3722	0.01558	1.2E 00	1.060F 00	1.067E 00	1.070C 00	-2.687E-01	-2.863E-01	2.0	1.0
92.800	24.3214	0.01558	1.4E 00	2.611E 00	1.064C 00	1.069E 00	-2.745E-01	-3.178C-01	2.0	1.0
93.000	24.2695	0.01560	1.3E 00	2.400F 00	1.061C 00	1.064C 00	-2.798F-01	-3.192E-01	2.0	1.0
93.200	24.2166	0.01561	1.3E 00	2.228E 00	1.058E 00	1.067E 00	-2.845E-01	-3.207E-01	2.0	1.0
93.400	24.1629	0.01563	1.3E 00	2.087F 00	1.055E 00	1.066E 00	-2.884E-01	-3.221C-01	2.0	1.0
93.600	24.1082	0.01565	1.3E 00	1.974E 00	1.052C 00	1.064E 00	-2.924E-01	-3.237E-01	2.0	1.0
93.800	24.0526	0.01567	1.4E 00	2.547E 00	1.049E 00	1.062E 00	-2.983F-01	-3.386E-01	2.0	1.0
94.000	23.9960	0.01570	1.3E 00	2.395E 00	1.046E 00	1.060E 00	-3.033E-01	-3.403E-01	2.0	1.0
94.200	23.9383	0.01573	1.3E 00	2.273E 00	1.042E 00	1.058E 00	-3.078E-01	-3.421E-01	2.0	1.0
94.400	23.8796	0.01577	1.3E 00	2.170E 00	1.038E 00	1.056E 00	-3.129E-01	-3.502E-01	2.0	1.0
94.600	23.8197	0.01580	1.4C 00	2.081F 00	1.034E 00	1.053E 00	-3.181F-01	-3.567E-01	2.0	1.0
94.800	23.7587	0.01584	1.4C 00	2.004E 00	1.030C 00	1.051E 00	-3.237E-01	-3.636E-01	2.0	1.0
95.000	23.6965	0.01589	1.4E 00	2.778E 00	1.026F 00	1.048E 00	-3.293E-01	-3.702E-01	2.0	1.0
95.200	23.6330	0.01593	1.4E 00	2.656F 00	1.022E 00	1.044C 00	-3.346F-01	-3.725E-01	2.0	1.0
95.400	23.5683	0.01598	1.4E 00	2.865E 00	1.017E 00	1.041E 00	-3.404E-01	-3.814E-01	2.0	1.0
95.600	23.5023	0.01604	1.4E 00	2.752E 00	1.012E 00	1.038F 00	-3.457E-01	-3.839E-01	2.0	1.0
95.800	23.4349	0.01609	1.4E 00	3.041E 00	1.007E 00	1.034E 00	-3.514E-01	-3.949E-01	2.0	1.0
96.000	23.3661	0.01615	1.4E 00	2.926E 00	1.002E 00	1.030C 00	-3.576E-01	-3.977E-01	2.0	1.0
96.200	23.2960	0.01622	1.4E 00	2.834F 00	9.973E-01	1.026E 00	-3.630F-01	-4.005E-01	2.0	1.0
96.400	23.2244	0.01628	1.4E 00	3.302E 00	9.914E-01	1.021E 00	-3.697E-01	-4.156E-01	2.0	1.0
96.600	23.1513	0.01635	1.4E 00	3.182E 00	9.858E-01	1.017E 00	-3.760E-01	-4.187E-01	2.0	1.0
96.800	23.0766	0.01643	1.4E 00	3.087E 00	9.802C-01	1.012E 00	-3.819E-01	-4.219E-01	2.0	1.0
97.000	23.0004	0.01651	1.4F 00	3.013E 00	9.746E-01	1.007E 00	-3.875E-01	-4.252E-01	2.0	1.0
97.200	22.9227	0.01659	1.4E 00	2.954E 00	9.690E-01	1.002E 00	-3.927E-01	-4.286E-01	2.0	1.0
97.400	22.8436	0.01664	1.4E 00	2.995E 00	9.847E-01	1.000E 00	-3.997E-01	-4.469E-02	2.0	1.0
97.600	22.7628	0.01669	1.4E 00	3.042E 00	9.758E-01	9.970E-01	-4.065C-01	-4.523E-02	2.0	1.0
97.800	22.6805	0.01675	1.4E 00	3.11CE 00	9.669E-01	9.931E-01	-4.132E-01	-4.577E-01	2.0	1.0
98.000	22.5964	0.01682	1.4E 00	3.108F 00	9.580E-01	9.885E-01	-4.198E-01	-4.633E-01	2.0	1.0
98.200	22.5105	0.01691	1.4E 00	3.102E 00	9.491E-01	9.833E-01	-4.264E-01	-4.690E-01	2.0	1.0
98.400	22.4227	0.01700	1.5E 00	3.057E 00	9.362E-01	9.771E-01	-4.344E-01	-4.849E-01	2.0	1.0
98.600	22.3327	0.01712	1.5E 00	3.927E 00	9.280E-01	9.703E-01	-4.423E-01	-4.914E-01	2.0	1.0
98.800	22.2404	0.01724	1.5E 00	3.997E 00	9.178E-01	9.630E-01	-4.501E-01	-4.982E-01	2.0	1.0
99.000	22.1457	0.01738	1.5E 00	4.063E 00	9.076E-01	9.552E-01	-4.579E-01	-5.051E-01	2.0	1.0
99.200	22.0486	0.01752	1.5E 00	4.124E 00	8.974E-01	9.469E-01	-4.657E-01	-5.121C-01	2.0	1.0
99.400	21.9489	0.01768	1.5E 00	4.264E 00	8.863E-01	9.382E-01	-4.737E-01	-5.210E-01	2.0	1.0
99.600	21.8466	0.01785	1.5E 00	4.329E 00	8.755E-01	9.290E-01	-4.818E-01	-5.287E-01	2.0	1.0
99.800	21.7415	0.01803	1.5E 00	4.321E 00	8.645E-01	9.195E-01	-4.896E-01	-5.345E-01	2.0	1.0

99.600	21.8466	0.01785	1.5E 00	4.329E 00	8.755E-01	9.290E-01	-4.818E-01	-5.287E-01	2.0	1.0
99.800	21.7415	0.01803	1.5E 00	4.321E 00	8.645E-01	9.195E-01	-4.896E-01	-5.345E-01	2.0	1.0

100.000	21.6335	0.01822	1.5E 00	4.392E 00	8.534E-01	9.096E-01	-4.976E-01	-5.428E-01	2.0	1.0
100.200	21.5226	0.01843	1.5E 00	4.450E 00	8.424E-01	8.994E-01	-5.057E-01	-5.513E-01	2.0	1.0
100.400	21.4087	0.01864	1.5E 00	4.305E 00	8.314E-01	8.891E-01	-5.130E-01	-5.537E-01	2.0	1.0
100.600	21.2917	0.01886	1.5E 00	4.375E 00	8.204E-01	8.785E-01	-5.207E-01	-5.627E-01	2.0	1.0
100.800	21.1718	0.01909	1.5E 00	4.106E 00	8.097E-01	8.679E-01	-5.268E-01	-5.604E-01	2.0	1.0
101.000	21.0488	0.01932	1.5E 00	4.187E 00	7.989E-01	8.572E-01	-5.336E-01	-5.696E-01	2.0	1.0
101.200	20.9227	0.01957	1.5E 00	4.254E 00	7.882E-01	8.462E-01	-5.408E-01	-5.791E-01	2.0	1.0
101.400	20.7924	0.01997	1.7E 00	6.808E 00	7.180E-01	8.232E-01	-5.468E-01	-5.741E-01	3.0	1.0
101.600	20.6568	0.02052	1.6E 00	6.592E 00	7.017E-01	8.009E-01	-5.545E-01	-5.887E-01	3.0	1.0
101.800	20.5157	0.02109	1.6E 00	6.089E 00	6.864E-01	7.798E-01	-5.604E-01	-5.860E-01	3.0	1.0
102.000	20.3693	0.02165	1.6E 00	5.774E 00	6.716E-01	7.596E-01	-5.663E-01	-5.921E-01	3.0	1.0
102.200	20.2176	0.02222	1.6E 00	5.491E 00	6.578E-01	7.404E-01	-5.716E-01	-5.941E-01	3.0	1.0
102.400	20.0607	0.02279	1.5E 00	5.617E 00	6.448E-01	7.223E-01	-5.759E-01	-5.943E-01	3.0	1.0
102.600	19.8988	0.02335	1.5E 00	4.707E 00	6.325E-01	7.051E-01	-5.800E-01	-5.969E-01	3.0	1.0
102.800	19.7304	0.02421	1.7E 00	7.629E 00	5.534E-01	6.717E-01	-5.793E-01	-5.764E-01	3.0	1.0
103.000	19.5536	0.02536	1.7E 00	6.629E 00	5.404E-01	6.426E-01	-5.822E-01	-5.924E-01	3.0	1.0
103.200	19.3687	0.02645	1.6E 00	5.673E 00	5.297E-01	6.175E-01	-5.832E-01	-5.865E-01	3.0	1.0
103.400	19.1746	0.02786	1.7E 00	7.748E 00	4.625E-01	5.788E-01	-5.774E-01	-5.598E-01	3.0	1.0
103.600	18.9697	0.02960	1.6E 00	6.204E 00	4.533E-01	5.474E-01	-5.767E-01	-5.744E-01	3.0	1.0
103.800	18.7524	0.03189	1.8E 00	8.767E 00	3.765E-01	4.980E-01	-5.591E-01	-5.156E-01	3.0	1.0
104.000	18.5215	0.03472	1.6E 00	6.252E 00	3.732E-01	4.621E-01	-5.494E-01	-5.252E-01	3.0	1.0
104.200	18.2776	0.03713	1.5E 00	4.511E 00	3.699E-01	4.357E-01	-5.455E-01	-5.355E-01	3.0	1.0
104.400	18.0244	0.04051	1.8E 00	9.036E 00	2.991E-01	3.872E-01	-4.963E-01	-4.068E-01	3.0	1.0
104.600	17.7672	0.04467	1.6E 00	5.749E 00	3.068E-01	3.591E-01	-4.636E-01	-4.026E-01	3.0	1.0
104.613	17.7500	0.00310	1.7E 00	7.284E 00	2.486E-01	3.557E-01	-4.614E-01	-3.931E-01	5.0	-1.0
104.796	17.5000	0.04661	1.7E 00	7.672E 00	2.053E-01	2.979E-01	-4.325E-01	-3.859E-01	3.0	-1.0
104.959	17.2500	0.04957	1.6E 00	6.229E 00	1.765E-01	2.510E-01	-4.081E-01	-3.694E-01	3.0	-1.0
105.105	17.0000	0.05259	1.6E 00	5.281E 00	1.518E-01	2.120E-01	-3.842E-01	-3.470E-01	3.0	-1.0
105.252	16.7500	0.06406	1.8E 00	1.005E 01	1.311E-01	1.698E-01	-2.662E-01	-1.579E-01	4.0	-1.0
105.424	16.5000	0.09379	1.6E 00	5.943E 00	1.158E-01	1.364E-01	-1.780E-01	-1.236E-01	3.0	-1.0
105.527	16.3750	0.06524	1.5E 00	3.028E 00	1.116E-01	1.254E-01	-1.413E-01	-9.472E-02	4.0	-1.0
105.654	16.2500	0.08401	1.4E 00	2.866E 00	1.293E-01	1.274E-01	-1.067E-01	-7.371E-02	4.0	-1.0
105.832	16.1250	0.11647	1.3E 00	2.145E 00	1.261E-01	1.266E-01	-7.219E-02	-5.144E-02	3.0	-1.0
105.966	16.0625	0.08294	1.3E 00	2.169E 00	1.600E-01	1.430E-01	-5.340E-02	-3.379E-02	4.0	-1.0
106.191	16.0000	0.11974	1.3E 00	2.028E 00	1.856E-01	1.701E-01	-3.359E-02	-2.202E-02	4.0	-1.0
106.286	15.9875	0.04606	1.4E 00	3.241E 00	1.798E-01	1.732E-01	-1.164E-02	3.419E-02	5.0	-1.0

-0.		28.46875		1.00000	-0.					
XNN1	YNN1	DTW	CK	AEN	VDX	VDXWN1	VDYWN1	VDY	XRT	DIRECT
1.000	28.4678	0.08339	1.1E 00	2.695E-01	9.963E-01	9.985E-01	-1.889E-03	-4.570E-03	2.0	1.0
2.000	28.4651	0.08350	1.1E 00	1.897E-01	9.965E-01	9.975E-01	-3.461E-03	-4.570E-03	1.0	1.0
3.000	28.4613	0.08356	1.0E 00	7.365E-02	9.968E-01	9.971E-01	-4.180E-03	-4.570E-03	1.0	1.0
4.000	28.4569	0.08358	1.0E 00	2.232E-02	9.970E-01	9.971E-01	-4.524E-03	-4.569E-03	1.0	1.0
5.000	28.4523	0.08357	1.0E 00	1.311E-02	9.973E-01	9.972E-01	-4.694E-03	-4.569E-03	1.0	1.0
6.000	28.4475	0.08356	1.0E 00	2.213E-02	9.976E-01	9.974E-01	-4.886E-03	-4.782E-03	1.0	1.0
7.000	28.4426	0.08354	1.0E 00	2.485E-02	9.978E-01	9.976E-01	-4.928E-03	-4.781E-03	1.0	1.0
8.000	28.4376	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.928E-03	-4.781E-03	1.0	1.0
9.000	28.4327	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.928E-03	-4.780E-03	1.0	1.0
10.000	28.4278	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.928E-03	-4.780E-03	1.0	1.0
11.000	28.4227	0.08345	1.0E 00	3.510E-02	9.990E-01	9.987E-01	-5.224E-03	-5.220E-03	1.0	1.0
12.000	28.4174	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.366E-03	-5.219E-03	1.0	1.0
13.000	28.4120	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.366E-03	-5.219E-03	1.0	1.0
14.000	28.4066	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.366E-03	-5.218E-03	1.0	1.0
15.000	28.4013	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.366E-03	-5.217E-03	1.0	1.0
16.000	28.3957	0.08333	1.0E 00	4.594E-02	1.000E 00	1.000E 00	-5.791E-03	-5.911E-03	1.0	1.0
17.000	28.3898	0.08331	1.0E 00	3.616E-02	1.001E 00	1.000E 00	-5.998E-03	-5.910E-03	1.0	1.0
18.000	28.3838	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.056E-03	-5.910E-03	1.0	1.0
19.000	28.3777	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.056E-03	-5.909E-03	1.0	1.0
20.000	28.3717	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.056E-03	-5.908E-03	1.0	1.0
21.000	28.3653	0.08320	1.0E 00	6.122E-02	1.002E 00	1.002E 00	-6.635E-03	-6.901E-03	1.0	1.0
22.000	28.3586	0.08317	1.0E 00	4.301E-02	1.003E 00	1.002E 00	-6.916E-03	-6.900E-03	1.0	1.0
23.000	28.3516	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.045E-03	-6.899E-03	1.0	1.0
24.000	28.3446	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-7.045E-03	-6.898E-03	1.0	1.0
25.000	28.3376	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.045E-03	-6.897E-03	1.0	1.0
26.000	28.3302	0.08304	1.0E 00	8.144E-02	1.004E 00	1.004E 00	-7.814E-03	-8.256E-03	1.0	1.0
27.000	28.3222	0.08301	1.0E 00	5.298E-02	1.005E 00	1.004E 00	-8.185E-03	-8.255E-03	1.0	1.0
28.000	28.3140	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.366E-03	-8.254E-03	1.0	1.0

115

29.000	28.3056	0.08294	1.0E 00	4.943E-02	1.005F 00	1.005C 00	-8.396E-03	-8.252E-03	1.0	1.0
30.000	28.2973	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.398E-03	-8.251E-03	1.0	1.0
31.000	28.2884	0.08286	1.0E 00	1.079E-01	1.006E 00	1.006E 00	-9.409E-03	-1.007E-02	1.0	1.0
32.000	28.2788	0.08282	1.0E 00	6.652E-02	1.007E 00	1.006E 00	-9.893E-03	-1.007E-02	1.0	1.0
33.000	28.2689	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.013E-02	-1.007E-02	1.0	1.0
34.000	28.2588	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.021E-02	-1.007E-02	1.0	1.0
35.000	28.2486	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.021E-02	-1.006E-02	1.0	1.0
36.000	28.2380	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008F 00	-1.126E-02	-1.248E-02	3.0	1.0
37.000	28.2265	0.08261	1.0E 00	7.751E-02	1.010F 00	1.009E 00	-1.187E-02	-1.248E-02	3.0	1.0
38.000	28.2146	0.08257	1.0E 00	6.259E-02	1.010F 00	1.010E 00	-1.221E-02	-1.248E-02	2.0	1.0
39.000	28.2024	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.242E-02	-1.248E-02	2.0	1.0
40.000	28.1900	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.259E-02	-1.247E-02	2.0	1.0
41.000	28.1769	0.08241	1.1E 00	1.504E-01	1.012E 00	1.011E 00	-1.398E-02	-1.568E-02	3.0	1.0
42.000	28.1627	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.479E-02	-1.567E-02	3.0	1.0
43.000	28.1478	0.08231	1.0E 00	8.006E-02	1.014C 00	1.013E 00	-1.523E-02	-1.567E-02	2.0	1.0
44.000	28.1327	0.08225	1.0E 00	7.898E-02	1.015E 00	1.014E 00	-1.550E-02	-1.567E-02	2.0	1.0
45.000	28.1173	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.567E-02	-1.567E-02	2.0	1.0
46.000	28.1009	0.08213	1.1E 00	2.081E-01	1.016C 00	1.015E 00	-1.755E-02	-1.992E-02	3.0	1.0
47.000	28.0831	0.08206	1.1E 00	1.403E-01	1.017C 00	1.016E 00	-1.864E-02	-1.992E-02	3.0	1.0
48.000	28.0645	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.927E-02	-1.992E-02	3.0	1.0
49.000	28.0453	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.962E-02	-1.991E-02	2.0	1.0
50.000	28.0260	0.08185	1.0E 00	9.727E-02	1.020E 00	1.019C 00	-1.984E-02	-1.951E-02	2.0	1.0
51.000	28.0053	0.08177	1.1E 00	2.766E-01	1.021E 00	1.020E 00	-2.236E-02	-2.560E-02	3.0	1.0
52.000	27.9826	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.361E-02	-2.559E-02	3.0	1.0
53.000	27.9589	0.08161	1.1E 00	1.403E-01	1.023F 00	1.022E 00	-2.465E-02	-2.559E-02	3.0	1.0
54.000	27.9346	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.511E-02	-2.558E-02	2.0	1.0
55.000	27.9099	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.539E-02	-2.558E-02	2.0	1.0
56.000	27.8834	0.08135	1.1E 00	3.703F-01	1.027E 00	1.025E 00	-2.882E-02	-3.324E-02	3.0	1.0
57.000	27.8544	0.08125	1.1E 00	2.371E-01	1.028E 00	1.026E 00	-3.076E-02	-3.324E-02	3.0	1.0
58.000	27.8239	0.08115	1.1E 00	1.759E-01	1.029C 00	1.029C 00	-3.189E-02	-3.323E-02	3.0	1.0
59.000	27.7925	0.08105	1.1E 00	1.524E-01	1.031E 00	1.029E 00	-3.255E-02	-3.323E-02	3.0	1.0
60.000	27.7607	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.291E-02	-3.323E-02	2.0	1.0
61.000	27.7265	0.08085	1.1E 00	4.972E-01	1.033E 00	1.031E 00	-3.760E-02	-4.364E-02	3.0	1.0
62.000	27.6888	0.08073	1.1E 00	3.092E-01	1.035E 00	1.033E 00	-4.023E-02	-4.364E-02	3.0	1.0
63.000	27.6492	0.08062	1.1E 00	2.194E-01	1.036F 00	1.034E 00	-4.174E-02	-4.364E-02	3.0	1.0
64.000	27.6084	0.08051	1.1E 00	1.829E-01	1.038F 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.5671	0.08039	1.2E 00	1.592E-01	1.040E 00	1.037E 00	-4.312E-02	-4.365E-02	2.0	1.0
66.000	27.5224	0.08028	1.1E 00	6.761E-01	1.041E 00	1.039E 00	-4.964E-02	-5.796E-02	3.0	1.0
67.000	27.4729	0.08015	1.1E 00	4.078E-01	1.043L 00	1.041E 00	-5.345E-02	-5.798E-02	3.0	1.0
68.000	27.4208	0.08002	1.1E 00	2.744E-01	1.044C 00	1.042E 00	-5.532E-02	-5.800E-02	3.0	1.0
69.000	27.3672	0.07990	1.1E 00	2.153E-01	1.046E 00	1.044E 00	-5.653E-02	-5.803E-02	3.0	1.0
70.000	27.3127	0.07977	1.1E 00	1.935E-01	1.047E 00	1.045F 00	-5.726E-02	-5.805E-02	3.0	1.0
71.000	27.2536	0.07964	1.2E 00	9.260E-01	1.050F 00	1.047E 00	-6.646E-02	-7.795E-02	3.0	1.0
72.000	27.1878	0.07951	1.1E 00	5.408E-01	1.051C 00	1.049E 00	-7.146E-02	-7.802E-02	3.0	1.0
73.000	27.1104	0.07939	1.1E 00	3.427E-01	1.053C 00	1.051E 00	-7.431E-02	-7.810E-02	3.0	1.0
74.000	27.0469	0.07927	1.1E 00	2.465E-01	1.054F 00	1.052E 00	-7.599E-02	-7.818E-02	3.0	1.0
75.000	26.9742	0.07915	1.1E 00	2.053E-01	1.056E 00	1.054E 00	-7.702E-02	-7.826E-02	3.0	1.0
76.000	26.8949	0.07902	1.2E 00	1.289E 00	1.057E 00	1.055E 00	-9.026E-02	-1.063E-01	3.0	1.0
77.000	26.8061	0.07891	1.2E 00	7.314E-01	1.059E 00	1.057E 00	-9.733E-02	-1.065E-01	3.0	1.0
78.000	26.7121	0.07881	1.1E 00	4.390E-01	1.060E 00	1.058E 00	-1.013E-01	-1.067E-01	3.0	1.0
79.000	26.6153	0.07872	1.1E 00	2.832E-01	1.061E 00	1.059E 00	-1.037E-01	-1.070E-01	3.0	1.0
80.000	26.5167	0.07863	1.1E 00	2.026E-01	1.062E 00	1.060L 00	-1.053E-01	-1.072E-01	3.0	1.0
81.000	26.4106	0.07855	1.2E 00	1.402E 00	1.063E 00	1.061E 00	-1.119E-01	-1.373E-01	3.0	1.0
82.000	26.2941	0.07849	1.2E 00	7.975E-01	1.063E 00	1.062E 00	-1.276E-01	-1.378E-01	3.0	1.0
83.000	26.1718	0.07845	1.1E 00	4.779E-01	1.063E 00	1.062E 00	-1.322E-01	-1.383E-01	3.0	1.0
84.000	26.0409	0.07845	1.2E 00	1.336E 00	1.062E 00	1.062E 00	-1.460E-01	-1.627E-01	3.0	1.0
85.000	25.8998	0.07848	1.2E 00	7.822E-01	1.061E 00	1.061E 00	-1.537E-01	-1.636E-01	3.0	1.0
86.000	25.7464	0.07855	1.3E 00	1.701E 00	1.059E 00	1.060E 00	-1.717E-01	-1.928E-01	3.0	1.0
87.000	25.5796	0.07867	1.2E 00	1.007E 00	1.056E 00	1.056E 00	-1.817E-01	-1.942E-01	3.0	1.0
88.000	25.4049	0.07883	1.2E 00	6.671E-01	1.053E 00	1.056E 00	-1.878E-01	-1.958E-01	3.0	1.0
89.000	25.2171	0.07906	1.3E 00	1.896E 00	1.047E 00	1.052E 00	-2.080E-01	-2.309E-01	3.0	1.0
90.000	25.0136	0.07938	1.2E 00	1.187E 00	1.042E 00	1.048E 00	-2.194E-01	-2.333E-01	3.0	1.0
91.000	24.7910	0.07978	1.3E 00	2.382E 00	1.035E 00	1.042E 00	-2.457E-01	-2.737E-01	3.0	1.0
91.200	24.7435	0.01597	1.4E 00	2.651E 00	1.080E 00	1.046E 00	-2.497E-01	-2.784E-01	2.0	1.0
91.400	24.6955	0.01590	1.3E 00	2.298E 00	1.078E 00	1.050E 00	-2.532E-01	-2.794E-01	2.0	1.0
91.600	24.6470	0.01585	1.3E 00	1.999E 00	1.076E 00	1.053E 00	-2.564E-01	-2.804E-01	2.0	1.0

91.600	24.6470	0.01585	1.3E 00	1.999E 00	1.076E 00	1.053E 00	-2.564E-01	-2.804E-01	2.0	1.0
91.800	24.5981	0.01581	1.3E 00	1.746E 00	1.074E 00	1.055E 00	-2.593E-01	-2.815E-01	2.0	1.0
92.000	24.5488	0.01578	1.3E 00	1.533E 00	1.072E 00	1.057E 00	-2.619E-01	-2.825E-01	2.0	1.0
92.200	24.4991	0.01575	1.2E 00	1.355E 00	1.071E 00	1.059E 00	-2.643E-01	-2.836E-01	2.0	1.0
92.400	24.4490	0.01573	1.2E 00	1.210E 00	1.069E 00	1.060E 00	-2.665E-01	-2.846E-01	2.0	1.0
92.600	24.3985	0.01572	1.2E 00	1.092E 00	1.067E 00	1.061E 00	-2.686E-01	-2.857E-01	2.0	1.0
92.800	24.3473	0.01571	1.4E 00	2.567E 00	1.064E 00	1.061E 00	-2.743E-01	-3.170E-01	2.0	1.0
93.000	24.2951	0.01571	1.3E 00	2.334E 00	1.061E 00	1.061E 00	-2.795E-01	-3.185E-01	2.0	1.0
93.200	24.2420	0.01571	1.3E 00	2.144E 00	1.058E 00	1.061E 00	-2.842E-01	-3.199E-01	2.0	1.0
93.400	24.1879	0.01572	1.3E 00	1.991E 00	1.055E 00	1.060E 00	-2.885E-01	-3.214E-01	2.0	1.0
93.600	24.1331	0.01573	1.3E 00	1.870E 00	1.052E 00	1.059E 00	-2.925E-01	-3.230E-01	2.0	1.0
93.800	24.0774	0.01574	1.3E 00	2.457E 00	1.049E 00	1.058E 00	-2.978E-01	-3.378E-01	2.0	1.0
94.000	24.0206	0.01576	1.3E 00	2.302E 00	1.046E 00	1.057E 00	-3.026E-01	-3.396E-01	2.0	1.0
94.200	23.9628	0.01579	1.3E 00	2.180E 00	1.042E 00	1.055E 00	-3.073E-01	-3.413E-01	2.0	1.0
94.400	23.9040	0.01581	1.3E 00	2.395E 00	1.038E 00	1.053E 00	-3.123E-01	-3.494E-01	2.0	1.0
94.600	23.8441	0.01585	1.4E 00	2.503E 00	1.034E 00	1.051E 00	-3.175E-01	-3.559E-01	2.0	1.0
94.800	23.7831	0.01588	1.4E 00	2.623E 00	1.030E 00	1.048E 00	-3.230E-01	-3.628E-01	2.0	1.0
95.000	23.7208	0.01592	1.4E 00	2.713E 00	1.026E 00	1.046E 00	-3.286E-01	-3.693E-01	2.0	1.0
95.200	23.6574	0.01596	1.4E 00	2.595E 00	1.022E 00	1.043E 00	-3.339E-01	-3.716E-01	2.0	1.0
95.400	23.5927	0.01601	1.4E 00	2.809E 00	1.017E 00	1.039E 00	-3.396E-01	-3.805E-01	2.0	1.0
95.600	23.5267	0.01606	1.4E 00	2.700E 00	1.012E 00	1.036E 00	-3.449E-01	-3.830E-01	2.0	1.0
95.800	23.4594	0.01611	1.4E 00	2.996E 00	1.007E 00	1.033E 00	-3.511E-01	-3.940E-01	2.0	1.0
96.000	23.3908	0.01617	1.4E 00	2.884E 00	1.002E 00	1.029E 00	-3.566E-01	-3.967E-01	2.0	1.0
96.200	23.3208	0.01623	1.4E 00	2.796E 00	9.973E-01	1.025E 00	-3.621E-01	-3.995E-01	2.0	1.0
96.400	23.2493	0.01630	1.4E 00	3.268E 00	9.914E-01	1.021E 00	-3.688E-01	-4.145E-01	2.0	1.0
96.600	23.1762	0.01637	1.4E 00	3.151E 00	9.858E-01	1.016E 00	-3.751E-01	-4.176E-01	2.0	1.0
96.800	23.1017	0.01644	1.4E 00	3.059E 00	9.802E-01	1.012E 00	-3.809E-01	-4.208E-01	2.0	1.0
97.000	23.0256	0.01651	1.4E 00	2.988E 00	9.746E-01	1.007E 00	-3.865E-01	-4.241E-01	2.0	1.0
97.200	22.9482	0.01659	1.4E 00	2.932E 00	9.690E-01	1.002E 00	-3.917E-01	-4.275E-01	2.0	1.0
97.400	22.8692	0.01665	1.4E 00	2.953E 00	9.647E-01	9.998E-01	-3.986E-01	-4.452E-01	2.0	1.0
97.600	22.7887	0.01670	1.4E 00	3.004E 00	9.758E-01	9.967E-01	-4.053E-01	-4.505E-01	2.0	1.0
97.800	22.7065	0.01675	1.4E 00	3.085E 00	9.669E-01	9.928E-01	-4.119E-01	-4.560E-01	2.0	1.0
98.000	22.6227	0.01683	1.4E 00	3.179E 00	9.580E-01	9.883E-01	-4.185E-01	-4.615E-01	2.0	1.0
98.200	22.5371	0.01691	1.4E 00	3.278E 00	9.491E-01	9.831E-01	-4.249E-01	-4.672E-01	2.0	1.0
98.400	22.4496	0.01701	1.5E 00	3.827E 00	9.382E-01	9.769E-01	-4.329E-01	-4.829E-01	2.0	1.0
98.600	22.3598	0.01712	1.5E 00	3.902E 00	9.280E-01	9.702E-01	-4.407E-01	-4.894E-01	2.0	1.0
98.800	22.2678	0.01724	1.5E 00	3.976E 00	9.178E-01	9.629E-01	-4.485E-01	-4.961E-01	2.0	1.0
99.000	22.1735	0.01738	1.5E 00	4.045E 00	9.076E-01	9.551E-01	-4.562E-01	-5.030E-01	2.0	1.0
99.200	22.0768	0.01753	1.5E 00	4.108E 00	8.974E-01	9.469E-01	-4.639E-01	-5.101E-01	2.0	1.0
99.400	21.9775	0.01768	1.5E 00	4.247E 00	8.863E-01	9.381E-01	-4.718E-01	-5.188E-01	2.0	1.0
99.600	21.8755	0.01785	1.5E 00	4.314E 00	8.755E-01	9.290E-01	-4.799E-01	-5.265E-01	2.0	1.0
99.800	21.7708	0.01803	1.5E 00	4.308E 00	8.645E-01	9.194E-01	-4.876E-01	-5.322E-01	2.0	1.0
100.000	21.6633	0.01822	1.5E 00	4.379E 00	8.534E-01	9.096E-01	-4.955E-01	-5.405E-01	2.0	1.0
100.200	21.5529	0.01843	1.5E 00	4.438E 00	8.424E-01	8.994E-01	-5.036E-01	-5.489E-01	2.0	1.0
100.400	21.4394	0.01864	1.5E 00	4.295E 00	8.314E-01	8.891E-01	-5.109E-01	-5.513E-01	2.0	1.0
100.600	21.3230	0.01886	1.5E 00	4.366E 00	8.204E-01	8.785E-01	-5.185E-01	-5.602E-01	2.0	1.0
100.800	21.2035	0.01909	1.5E 00	4.100E 00	8.097E-01	8.679E-01	-5.246E-01	-5.580E-01	2.0	1.0
101.000	21.0811	0.01932	1.5E 00	4.181E 00	7.989E-01	8.572E-01	-5.313E-01	-5.672E-01	2.0	1.0
101.200	20.9555	0.01957	1.5E 00	4.248E 00	7.882E-01	8.462E-01	-5.385E-01	-5.766E-01	2.0	1.0
101.400	20.8257	0.01997	1.7E 00	6.791E 00	7.180E-01	8.232E-01	-5.443E-01	-5.704E-01	3.0	1.0
101.600	20.6908	0.02052	1.6E 00	6.573E 00	7.017E-01	8.010E-01	-5.518E-01	-5.850E-01	3.0	1.0
101.800	20.5504	0.02109	1.6E 00	6.079E 00	6.864E-01	7.799E-01	-5.574E-01	-5.824E-01	3.0	1.0
102.000	20.4048	0.02165	1.6E 00	5.766E 00	6.716E-01	7.597E-01	-5.633E-01	-5.885E-01	3.0	1.0
102.200	20.2540	0.02222	1.6E 00	5.397E 00	6.578E-01	7.405E-01	-5.685E-01	-5.906E-01	3.0	1.0
102.400	20.0979	0.02279	1.5E 00	5.026E 00	6.448E-01	7.223E-01	-5.728E-01	-5.909E-01	3.0	1.0
102.600	19.9368	0.02335	1.5E 00	4.706E 00	6.325E-01	7.051E-01	-5.768E-01	-5.936E-01	3.0	1.0
102.800	19.7694	0.02421	1.7E 00	7.631E 00	5.534E-01	6.718E-01	-5.760E-01	-5.728E-01	3.0	1.0
103.000	19.5937	0.02536	1.7E 00	6.628E 00	5.404E-01	6.426E-01	-5.788E-01	-5.887E-01	3.0	1.0
103.200	19.4098	0.02645	1.6E 00	5.674E 00	5.297E-01	6.175E-01	-5.798E-01	-5.830E-01	3.0	1.0
103.400	19.2169	0.02786	1.7E 00	7.746E 00	4.625E-01	5.788E-01	-5.741E-01	-5.566E-01	3.0	1.0
103.600	19.0131	0.02960	1.6E 00	6.204E 00	4.533E-01	5.474E-01	-5.734E-01	-5.712E-01	3.0	1.0
103.800	18.8015	0.03117	1.6E 00	5.681E 00	4.487E-01	5.220E-01	-5.581E-01	-5.136E-01	3.0	1.0
104.000	18.5806	0.03330	1.7E 00	7.387E 00	3.732E-01	4.791E-01	-5.480E-01	-5.231E-01	3.0	1.0
104.200	18.3450	0.03596	1.6E 00	5.33XE 00	3.699E-01	4.478E-01	-5.437E-01	-5.329E-01	3.0	1.0
104.400	18.0984	0.03953	1.8E 00	9.370E 00	2.991E-01	3.956E-01	-4.961E-01	-4.079E-01	3.0	1.0
104.600	17.8458	0.04384	1.6E 00	5.973E 00	3.068E-01	3.648E-01	-4.641E-01	-4.038E-01	3.0	1.0
104.800	17.5834	0.04844	1.6E 00	5.923E 00	2.546E-01	3.234E-01	-4.388E-01	-3.964E-01	3.0	1.0

104.861	17.5000	0.01599	1.6E 00	6.214E 00	2.198E-01	3.085E-01	-4.305E-01	-3.813E-01	6.0	-1.0
105.030	17.2500	0.04976	1.6E 00	6.351E 00	1.828E-01	2.596E-01	-4.068E-01	-3.694E-01	3.0	-1.0
105.197	17.0000	0.05906	1.9E 00	1.025E 01	1.604E-01	2.107E-01	-2.987E-01	-1.875E-01	4.0	-1.0
105.382	16.7500	0.08038	1.6E 00	6.342E 00	1.436E-01	1.729E-01	-2.196E-01	-1.579E-01	4.0	-1.0
105.595	16.5000	0.11055	1.5E 00	3.923E 00	1.359E-01	1.488E-01	-1.573E-01	-1.236E-01	4.0	-1.0
105.724	16.3750	0.07286	1.4E 00	2.746E 00	1.411E-01	1.453E-01	-1.267E-01	-9.472E-02	4.0	-1.0
105.888	16.2500	0.09136	1.3E 00	2.398E 00	1.634E-01	1.550E-01	-9.938E-02	-7.371E-02	4.0	-1.0
106.127	16.1250	0.12413	1.3E 00	1.930E 00	1.708E-01	1.652E-01	-6.845E-02	-5.144E-02	4.0	-1.0
106.172	16.1094	0.02220	1.6E 00	5.487E 00	1.921E-01	1.703E-01	-4.888E-02	3.540E-02	3.0	-1.0
106.232	16.0957	0.02904	1.5E 00	4.351E 00	1.921E-01	1.753E-01	-2.960E-02	3.539E-02	3.0	-1.0
106.275	16.0897	0.02042	1.4E 00	3.488E 00	1.921E-01	1.780E-01	-1.921E-02	3.538E-02	3.0	-1.0
106.363	16.0841	0.04085	1.4E 00	2.731E 00	1.921E-01	1.820E-01	-3.667E-03	3.537E-02	5.0	-1.0
106.563	16.0922	0.09657	1.3E 00	2.126E 00	1.476E-01	1.632E-01	1.756E-02	3.537E-02	3.0	1.0
106.763	16.1218	0.10889	1.3E 00	1.569E 00	1.284E-01	1.430E-01	2.777E-02	3.538E-02	4.0	1.0
106.963	16.1673	0.12603	1.2E 00	1.338E 00	1.092E-01	1.215E-01	3.246E-02	3.540E-02	4.0	1.0
107.163	16.2279	0.15099	1.2E 00	1.158E 00	8.995E-02	9.922E-02	3.440E-02	3.545E-02	4.0	1.0
107.363	16.3071	0.18988	1.2E 00	9.608E-01	7.075E-02	7.633E-02	3.509E-02	3.550E-02	4.0	1.0
107.563	16.3447	0.09311	1.9E 00	1.102E 01	3.740E-01	2.817E-01	3.220E-02	3.105E-02	4.0	1.0
107.763	16.3652	0.05468	1.6E 00	5.164E 00	3.962E-01	3.280E-01	3.047E-02	2.811E-02	3.0	1.0
107.963	16.3825	0.04845	1.5E 00	4.211E 00	4.185E-01	3.600E-01	2.899E-02	2.649E-02	3.0	1.0
108.163	16.3977	0.04467	1.5E 00	3.823E 00	4.407E-01	3.862E-01	2.767E-02	2.514E-02	3.0	1.0
108.363	16.4156	0.04331	1.3E 00	2.296E 00	3.766E-01	3.834E-01	4.128E-02	7.430E-02	3.0	1.0
108.563	16.4403	0.04437	1.4E 00	2.869E 00	3.332E-01	3.679E-01	5.142E-02	7.430E-02	3.0	1.0
108.763	16.4714	0.04699	1.5E 00	3.814E 00	2.899E-01	3.414E-01	5.910E-02	7.430E-02	3.0	1.0
108.963	16.5097	0.05149	1.5E 00	4.411E 00	2.465E-01	3.059E-01	6.472E-02	7.430E-02	3.0	1.0
109.163	16.5476	0.04749	1.8E 00	9.811E 00	5.245E-01	3.960E-01	6.845E-02	7.395E-02	3.0	1.0
109.363	16.5806	0.03972	1.7E 00	6.804E 00	5.401E-01	4.433E-01	6.975E-02	7.257E-02	3.0	1.0
109.563	16.6110	0.03626	1.6E 00	5.422E 00	5.556E-01	4.754E-01	7.016E-02	7.137E-02	3.0	1.0
109.763	16.6397	0.03411	1.5E 00	4.660E 00	5.712E-01	5.014E-01	7.016E-02	7.026E-02	3.0	1.0
109.963	16.6671	0.03254	1.5E 00	4.211E 00	5.867E-01	5.224E-01	6.987E-02	6.921E-02	3.0	1.0
110.163	16.6932	0.03130	1.5E 00	3.943E 00	6.023E-01	5.420E-01	6.943E-02	6.822E-02	3.0	1.0
111.163	16.8300	0.15480	1.1E 00	6.120E-01	5.313E-01	5.346E-01	7.787E-02	8.191E-02	4.0	1.0
112.163	16.9907	0.16933	1.4E 00	3.348E 00	4.328E-01	4.497E-01	8.029E-02	8.098E-02	4.0	1.0
113.163	17.1928	0.21141	1.4E 00	3.476E 00	3.330E-01	3.387E-01	7.897E-02	7.910E-02	4.0	1.0
113.465	17.2500	0.06179	1.9E 00	1.104E 01	6.024E-01	4.754E-01	7.543E-02	7.230E-02	6.0	-1.0

VDYWM = 7.1321E-02 VDXWM = 6.0035E-01

116.026	17.5000	0.35545	2.1E 00	1.413E 01	7.253E-01	7.253E-01	6.721E-02	6.784E-02	27.0	-1.0
117.026	17.5968	0.11758	1.3E 00	2.053E 00	6.722E-01	6.921E-01	7.003E-02	7.195E-02	5.0	1.0
118.026	17.6934	0.11470	1.5E 00	3.889E 00	7.947E-01	7.610E-01	7.027E-02	7.059E-02	3.0	1.0
119.026	17.7836	0.10756	1.3E 00	1.876E 00	8.080E-01	7.885E-01	6.954E-02	6.924E-02	3.0	1.0
120.026	17.8699	0.10425	1.3E 00	1.570E 00	8.272E-01	8.102E-01	6.845E-02	6.783E-02	3.0	1.0
121.026	17.9559	0.10631	1.4E 00	3.314E 00	7.246E-01	7.575E-01	6.637E-02	6.528E-02	3.0	1.0
122.026	18.0550	0.12583	1.7E 00	8.224E 00	5.160E-01	5.670E-01	6.488E-02	6.465E-02	4.0	1.0
123.026	18.1491	0.12188	1.8E 00	9.880E 00	8.587E-01	8.005E-01	6.375E-02	6.362E-02	4.0	1.0
124.026	18.2262	0.10159	1.4E 00	2.704E 00	8.683E-01	8.401E-01	6.285E-02	6.242E-02	3.0	1.0
125.026	18.2986	0.09947	1.2E 00	1.088E 00	8.155E-01	8.271E-01	5.786E-02	5.365E-02	3.0	1.0
126.026	18.3703	0.10576	1.5E 00	4.633E 00	7.064E-01	7.487E-01	5.500E-02	5.365E-02	3.0	1.0
127.026	18.4487	0.12004	1.6E 00	5.466E 00	5.973E-01	6.347E-01	5.389E-02	5.365E-02	4.0	1.0
128.026	18.5414	0.14386	1.6E 00	5.130E 00	4.882E-01	5.188E-01	5.355E-02	5.365E-02	4.0	1.0
129.026	18.6203	0.12303	2.0E 00	1.241E 01	8.969E-01	8.358E-01	5.325E-02	5.334E-02	4.0	1.0
130.026	18.6823	0.09750	1.4E 00	2.684E 00	9.023E-01	8.735E-01	5.285E-02	5.277E-02	3.0	1.0
131.026	18.7420	0.09444	1.2E 00	1.429E 00	9.077E-01	8.913E-01	5.245E-02	5.231E-02	3.0	1.0
132.026	18.8003	0.09294	1.2E 00	9.290E-01	9.131E-01	9.021E-01	5.204E-02	5.187E-02	3.0	1.0
133.026	18.8545	0.09199	1.2E 00	8.324E-01	9.176E-01	9.096E-01	4.614E-02	4.016E-02	3.0	1.0
134.026	18.9034	0.09134	1.1E 00	5.615E-01	9.212E-01	9.151E-01	4.321E-02	4.018E-02	3.0	1.0
135.026	18.9497	0.09084	1.1E 00	4.426E-01	9.249E-01	9.196E-01	4.168E-02	4.018E-02	3.0	1.0
136.026	18.9945	0.09041	1.1E 00	3.911E-01	9.285E-01	9.237E-01	4.087E-02	4.018E-02	3.0	1.0
137.026	19.0384	0.09004	1.1E 00	3.341E-01	9.322E-01	9.272E-01	4.047E-02	4.018E-02	2.0	1.0
138.026	19.0818	0.08971	1.1E 00	3.147E-01	9.351E-01	9.305E-01	4.015E-02	3.996E-02	2.0	1.0
139.026	19.1247	0.08940	1.1E 00	3.294E-01	9.388E-01	9.339E-01	3.986E-02	3.972E-02	2.0	1.0
140.026	19.1672	0.08907	1.1E 00	3.384E-01	9.424E-01	9.374E-01	3.959E-02	3.947E-02	2.0	1.0

-0. 28.45312 1.00000 -0.

XNN1	YNN1	DTH	CK	RE	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	28.4522	0.08339	1.1E 00	2.395E-01	9.963E-01	9.985E-01	-1.889E-03	-4.568E-03	2.0	1.0
2.000	28.4495	0.08350	1.1E 00	1.897E-01	9.965E-01	9.975E-01	-3.460E-03	-4.568E-03	1.0	1.0

XNN1	YNN1	DTH	CK	RE..	VOX	VOXWN1	VOYWN1	VOY	XKT	DIRECT
1.000	28.4522	0.08339	1.1E 00	2.395E-01	9.963E-01	9.985E-01	-1.889E-03	-4.568E-03	2.0	1.0
2.000	28.4495	0.08350	1.1E 00	1.897E-01	9.965E-01	9.975E-01	-3.440E-03	-4.568E-03	1.0	1.0
3.000	28.4457	0.08356	1.0E 00	7.363E-02	9.968E-01	9.971E-01	-4.179E-03	-4.568E-03	1.0	1.0
4.000	28.4413	0.08358	1.0E 00	2.230E-02	9.970E-01	9.971E-01	-4.523E-03	-4.568E-03	1.0	1.0
5.000	28.4367	0.08357	1.0E 00	1.311E-02	9.973E-01	9.972E-01	-4.692E-03	-4.567E-03	1.0	1.0
6.000	28.4319	0.08356	1.0E 00	2.213E-02	9.976E-01	9.974E-01	-4.884E-03	-4.780E-03	1.0	1.0
7.000	28.4270	0.08354	1.0E 00	2.685E-02	9.978E-01	9.976E-01	-4.927E-03	-4.780E-03	1.0	1.0
8.000	28.4220	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.927E-03	-4.779E-03	1.0	1.0
9.000	28.4171	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.927E-03	-4.779E-03	1.0	1.0
10.000	28.4122	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.927E-03	-4.778E-03	1.0	1.0
11.000	28.4071	0.08345	1.0E 00	3.510E-02	9.990E-01	9.987E-01	-5.222E-03	-5.218E-03	1.0	1.0
12.000	28.4018	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.364E-03	-5.217E-03	1.0	1.0
13.000	28.3964	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.364E-03	-5.217E-03	1.0	1.0
14.000	28.3910	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.364E-03	-5.216E-03	1.0	1.0
15.000	28.3857	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.364E-03	-5.216E-03	1.0	1.0
16.000	28.3801	0.08333	1.0E 00	4.593E-02	1.000E 00	1.000E 00	-5.789E-03	-5.909E-03	1.0	1.0
17.000	28.3742	0.08331	1.0E 00	3.616E-02	1.001E 00	1.000E 00	-5.996E-03	-5.908E-03	1.0	1.0
18.000	28.3682	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.054E-03	-5.908E-03	1.0	1.0
19.000	28.3621	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.054E-03	-5.907E-03	1.0	1.0
20.000	28.3561	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.054E-03	-5.906E-03	1.0	1.0
21.000	28.3498	0.08320	1.0E 00	6.121E-02	1.002E 00	1.002E 00	-6.633E-03	-6.899E-03	1.0	1.0
22.000	28.3430	0.08317	1.0E 00	4.301E-02	1.003E 00	1.002E 00	-6.914E-03	-6.898E-03	1.0	1.0
23.000	28.3360	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.043E-03	-6.897E-03	1.0	1.0
24.000	28.3290	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-7.043E-03	-6.896E-03	1.0	1.0
25.000	28.3220	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.043E-03	-6.895E-03	1.0	1.0
26.000	28.3146	0.08304	1.0E 00	8.143E-02	1.004E 00	1.004E 00	-7.812E-03	-8.253E-03	1.0	1.0
27.000	28.3066	0.08301	1.0E 00	5.298E-02	1.005E 00	1.004E 00	-8.182E-03	-8.252E-03	1.0	1.0
28.000	28.2984	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.363E-03	-8.251E-03	1.0	1.0
29.000	28.2900	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.396E-03	-8.250E-03	1.0	1.0
30.000	28.2817	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.396E-03	-8.249E-03	1.0	1.0
31.000	28.2728	0.08286	1.0E 00	1.078E-01	1.006E 00	1.006E 00	-9.407E-03	-1.007E-02	1.0	1.0
32.000	28.2632	0.08282	1.0E 00	6.658E-02	1.007E 00	1.006E 00	-9.890E-03	-1.007E-02	1.0	1.0
33.000	28.2533	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.013E-02	-1.007E-02	1.0	1.0
34.000	28.2432	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.021E-02	-1.006E-02	1.0	1.0
35.000	28.2331	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.021E-02	-1.006E-02	1.0	1.0
36.000	28.2224	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008E 00	-1.126E-02	-1.248E-02	3.0	1.0
37.000	28.2110	0.08261	1.0E 00	7.750E-02	1.010E 00	1.009E 00	-1.187E-02	-1.248E-02	3.0	1.0
38.000	28.1990	0.08257	1.0E 00	6.259E-02	1.010E 00	1.010E 00	-1.221E-02	-1.248E-02	2.0	1.0
39.000	28.1869	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.242E-02	-1.247E-02	2.0	1.0
40.000	28.1745	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.259E-02	-1.247E-02	1.0	1.0
41.000	28.1613	0.08241	1.1E 00	1.504E-01	1.012E 00	1.011E 00	-1.398E-02	-1.567E-02	3.0	1.0
42.000	28.1471	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.478E-02	-1.567E-02	3.0	1.0
43.000	28.1323	0.08231	1.0E 00	8.006E-02	1.014E 00	1.013E 00	-1.523E-02	-1.567E-02	2.0	1.0
44.000	28.1171	0.08225	1.0E 00	7.898E-02	1.015E 00	1.014E 00	-1.550E-02	-1.567E-02	2.0	1.0
45.000	28.1018	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.567E-02	-1.566E-02	2.0	1.0
46.000	28.0854	0.08213	1.1E 00	2.080E-01	1.016E 00	1.015E 00	-1.755E-02	-1.992E-02	3.0	1.0
47.000	28.0676	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.864E-02	-1.992E-02	3.0	1.0
48.000	28.0489	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.927E-02	-1.991E-02	3.0	1.0
49.000	28.0298	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.962E-02	-1.991E-02	2.0	1.0
50.000	28.0104	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.984E-02	-1.990E-02	2.0	1.0
51.000	27.9897	0.08177	1.1E 00	2.746E-01	1.021E 00	1.020E 00	-2.236E-02	-2.559E-02	3.0	1.0
52.000	27.9671	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.380E-02	-2.559E-02	3.0	1.0
53.000	27.9434	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.465E-02	-2.558E-02	3.0	1.0
54.000	27.9191	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.511E-02	-2.558E-02	2.0	1.0
55.000	27.8944	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.539E-02	-2.558E-02	2.0	1.0
56.000	27.8679	0.08135	1.1E 00	3.703E-01	1.027E 00	1.025E 00	-2.882E-02	-3.324E-02	3.0	1.0
57.000	27.8389	0.08125	1.1E 00	2.371E-01	1.028E 00	1.026E 00	-3.076E-02	-3.323E-02	3.0	1.0
58.000	27.8084	0.08115	1.1E 00	1.759E-01	1.029E 00	1.028E 00	-3.188E-02	-3.323E-02	3.0	1.0
59.000	27.7770	0.08105	1.1E 00	1.528E-01	1.031E 00	1.029E 00	-3.255E-02	-3.323E-02	3.0	1.0
60.000	27.7453	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.291E-02	-3.322E-02	2.0	1.0
61.000	27.7111	0.08085	1.1E 00	4.973E-01	1.033E 00	1.031E 00	-3.760E-02	-4.364E-02	3.0	1.0
62.000	27.6734	0.08073	1.1E 00	3.093E-01	1.035E 00	1.033E 00	-4.023E-02	-4.364E-02	3.0	1.0
63.000	27.6337	0.08062	1.1E 00	2.195E-01	1.036E 00	1.034C 00	-4.174E-02	-4.365E-02	3.0	1.0
64.000	27.5929	0.08051	1.1E 00	1.829E-01	1.038E 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.5516	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.312E-02	-4.365E-02	2.0	1.0
66.000	27.5069	0.08028	1.2E 00	6.764E-01	1.041E 00	1.039E 00	-4.965E-02	-5.797E-02	3.0	1.0
67.000	27.4574	0.08015	1.1E 00	4.079E-01	1.043E 00	1.041E 00	-5.326E-02	-5.799E-02	3.0	1.0
68.000	27.4053	0.08002	1.1E 00	2.744E-01	1.044C 00	1.042E 00	-5.532E-02	-5.801E-02	3.0	1.0

69.000	27.3517	0.07990	1.1E 00	2.153E-01	1.046E 00	1.044E 00	-5.654E-02	-5.803E-02	3.0	1.0
70.000	27.2972	0.07977	1.1E 00	1.935E-01	1.048E 00	1.045E 00	-5.726E-02	-5.806E-02	3.0	1.0
71.000	27.2381	0.07964	1.2E 00	9.266E-01	1.050E 00	1.047E 00	-6.647E-02	-7.797E-02	3.0	1.0
72.000	27.1723	0.07951	1.1E 00	5.411E-01	1.051E 00	1.049E 00	-7.147E-02	-7.804E-02	3.0	1.0
73.000	27.1028	0.07939	1.1E 00	3.429E-01	1.053E 00	1.051E 00	-7.432E-02	-7.812E-02	3.0	1.0
74.000	27.0313	0.07927	1.1E 00	2.465E-01	1.054E 00	1.052E 00	-7.601E-02	-7.820E-02	3.0	1.0
75.000	26.9586	0.07915	1.1E 00	2.053E-01	1.056E 00	1.054E 00	-7.704E-02	-7.828E-02	3.0	1.0
76.000	26.8793	0.07902	1.2E 00	1.290E 00	1.057E 00	1.055E 00	-9.029E-02	-1.063E-01	3.0	1.0
77.000	26.7904	0.07891	1.2E 00	7.319E-01	1.059E 00	1.057E 00	-9.737E-02	-1.065E-01	3.0	1.0
78.000	26.6965	0.07881	1.1E 00	4.392E-01	1.060E 00	1.058E 00	-1.014E-01	-1.068E-01	3.0	1.0
79.000	26.5996	0.07872	1.1E 00	2.833E-01	1.061E 00	1.059E 00	-1.038E-01	-1.070E-01	3.0	1.0
80.000	26.5009	0.07863	1.1E 00	2.028E-01	1.062E 00	1.060E 00	-1.053E-01	-1.073E-01	3.0	1.0
81.000	26.3948	0.07855	1.2E 00	1.403E 00	1.063E 00	1.061E 00	-1.198E-01	-1.374E-01	3.0	1.0
82.000	26.2783	0.07849	1.2E 00	7.983E-01	1.063E 00	1.062E 00	-1.277E-01	-1.379E-01	3.0	1.0
83.000	26.1559	0.07845	1.1E 00	4.784E-01	1.063E 00	1.062E 00	-1.323E-01	-1.384E-01	3.0	1.0
84.000	26.0249	0.07845	1.2E 00	1.337E 00	1.062E 00	1.062E 00	-1.461E-01	-1.629E-01	3.0	1.0
85.000	25.8837	0.07848	1.2E 00	7.830E-01	1.061E 00	1.061E 00	-1.538E-01	-1.637E-01	3.0	1.0
86.000	25.7303	0.07855	1.3E 00	1.704E 00	1.059E 00	1.060F 00	-1.718E-01	-1.929E-01	3.0	1.0
87.000	25.5633	0.07867	1.2E 00	1.008E 00	1.056E 00	1.058E 00	-1.818E-01	-1.943E-01	3.0	1.0
88.000	25.3885	0.07883	1.2E 00	6.677E-01	1.053E 00	1.056E 00	-1.879E-01	-1.959E-01	3.0	1.0
89.000	25.2006	0.07906	1.3E 00	1.899E 00	1.047E 00	1.052E 00	-2.082E-01	-2.311E-01	3.0	1.0
90.000	24.9968	0.07938	1.2E 00	1.108F 00	1.042E 00	1.048E 00	-2.196E-01	-2.335E-01	3.0	1.0
91.000	24.7764	0.07886	1.4E 00	2.815E 00	1.035E 00	1.066C 00	-2.463F-01	-2.740E-01	3.0	1.0
91.200	24.7299	0.01562	1.3E 00	1.869E 00	1.080E 00	1.067E 00	-2.500E-01	-2.787E-01	2.0	1.0
91.400	24.6828	0.01560	1.3E 00	1.673E 00	1.078E 00	1.069E 00	-2.533E-01	-2.797E-01	2.0	1.0
91.600	24.6351	0.01559	1.3E 00	1.509E 00	1.076E 00	1.069E 00	-2.563E-01	-2.807E-01	2.0	1.0
91.800	24.5869	0.01558	1.2E 00	1.375E 00	1.074E 00	1.070E 00	-2.591E-01	-2.817E-01	2.0	1.0
92.000	24.5382	0.01557	1.2E 00	1.265E 00	1.072E 00	1.070E 00	-2.617E-01	-2.827E-01	2.0	1.0
92.200	24.4891	0.01557	1.2E 00	1.178E 00	1.071E 00	1.070E 00	-2.640E-01	-2.838E-01	2.0	1.0
92.400	24.4396	0.01557	1.2E 00	1.109E 00	1.069E 00	1.070E 00	-2.663F-01	-2.848E-01	2.0	1.0
92.600	24.3896	0.01558	1.2E 00	1.058E 00	1.067E 00	1.070E 00	-2.684E-01	-2.859E-01	2.0	1.0
92.800	24.3389	0.01558	1.4E 00	2.602E 00	1.064E 00	1.069E 00	-2.742E-01	-3.173E-01	2.0	1.0
93.000	24.2871	0.01560	1.3E 00	2.393E 00	1.061E 00	1.068E 00	-2.794F-01	-3.187E-01	2.0	1.0
93.200	24.2343	0.01561	1.3E 00	2.221E 00	1.058E 00	1.067E 00	-2.841E-01	-3.202E-01	2.0	1.0
93.400	24.1806	0.01563	1.3E 00	2.082E 00	1.055E 00	1.066C 00	-2.885E-01	-3.216E-01	2.0	1.0
93.600	24.1261	0.01565	1.3E 00	1.969E 00	1.052E 00	1.064E 00	-2.924E-01	-3.232E-01	2.0	1.0
93.800	24.0705	0.01567	1.4E 00	2.540E 00	1.049C 00	1.062E 00	-2.97?E-01	-3.380E-01	2.0	1.0
94.000	24.0139	0.01570	1.3E 00	2.389E 00	1.046C 00	1.060C 00	-3.028E-01	-3.398E-01	2.0	1.0
94.200	23.9564	0.01573	1.3E 00	2.268E 00	1.042E 00	1.058E 00	-3.074E-01	-3.415E-01	2.0	1.0
94.400	23.8977	0.01577	1.3E 00	2.473F 00	1.038E 00	1.056E 00	-3.124E-01	-3.496E-01	2.0	1.0
94.600	23.8380	0.01580	1.4E 00	2.574E 00	1.034E 00	1.053E 00	-3.176E-01	-3.561E-01	2.0	1.0
94.800	23.7771	0.01584	1.4E 00	2.688E 00	1.030E 00	1.051E 00	-3.231E-01	-3.630E-01	2.0	1.0
95.000	23.7149	0.01589	1.4E 00	2.771E 00	1.026E 00	1.048E 00	-3.288E-01	-3.695E-01	2.0	1.0
95.200	23.6516	0.01593	1.4E 00	2.651E 00	1.022E 00	1.044E 00	-3.340E-01	-3.718E-01	2.0	1.0
95.400	23.5869	0.01598	1.4E 00	2.858E 00	1.017E 00	1.041E 00	-3.398E-01	-3.807E-01	2.0	1.0
95.600	23.5210	0.01604	1.4E 00	2.746E 00	1.012E 00	1.038E 00	-3.451E-01	-3.832E-01	2.0	1.0
95.800	23.4538	0.01609	1.4E 00	3.034E 00	1.007E 00	1.034E 00	-3.513E-01	-3.942E-01	2.0	1.0
96.000	23.3851	0.01615	1.4E 00	2.920F 00	1.002E 00	1.030E 00	-3.570E-01	-3.969E-01	2.0	1.0
96.200	23.3152	0.01622	1.4E 00	2.829F 00	9.973E-01	1.026C 00	-3.623E-01	-3.997E-01	2.0	1.0
96.400	23.2437	0.01628	1.4E 00	3.294E 00	9.914E-01	1.021E 00	-3.690E-01	-4.147E-01	2.0	1.0
96.600	23.1707	0.01635	1.4E 00	3.175E 00	9.858E-01	1.017E 00	-3.753E-01	-4.179E-01	2.0	1.0
96.800	23.0961	0.01643	1.4E 00	3.082E 00	9.802E-01	1.012E 00	-3.812E-01	-4.211E-01	2.0	1.0
97.000	23.0201	0.01651	1.4E 00	3.008E 00	9.746E-01	1.007E 00	-3.867E-01	-4.244E-01	2.0	1.0
97.200	22.9426	0.01658	1.4E 00	2.950E 00	9.690E-01	1.002E 00	-3.920E-01	-4.277E-01	2.0	1.0
97.400	22.8636	0.01664	1.4E 00	2.966E 00	9.847E-01	1.000E 00	-3.989E-01	-4.456E-01	2.0	1.0
97.600	22.7830	0.01669	1.4E 00	3.018E 00	9.758E-01	9.970E-01	-4.056E-01	-4.509E-01	2.0	1.0
97.800	22.7008	0.01675	1.4E 00	3.098E 00	9.669E-01	9.931E-01	-4.122E-01	-4.564E-01	2.0	1.0
98.000	22.6170	0.01682	1.4E 00	3.192F 00	9.580E-01	9.885E-01	-4.188F-01	-4.619E-01	2.0	1.0
98.200	22.5314	0.01690	1.4E 00	3.289E 00	9.491E-01	9.833E-01	-4.253E-01	-4.676E-01	2.0	1.0
98.400	22.4438	0.01700	1.5E 00	3.839E 00	9.382E-01	9.771E-01	-4.332E-01	-4.833E-01	2.0	1.0
98.600	22.3540	0.01712	1.5E 00	3.912E 00	9.280E-01	9.703E-01	-4.411F-01	-4.899E-01	2.0	1.0
98.800	22.2619	0.01724	1.5E 00	3.984E 00	9.178E-01	9.630E-01	-4.489E-01	-4.966E-01	2.0	1.0
99.000	22.1675	0.01738	1.5E 00	4.052E 00	9.076E-01	9.552E-01	-4.566E-01	-5.035E-01	2.0	1.0
99.200	22.0707	0.01752	1.5E 00	4.114E 00	8.974E-01	9.470E-01	-4.643E-01	-5.105E-01	2.0	1.0
99.400	21.9713	0.01768	1.5E 00	4.254E 00	8.863E-01	9.382E-01	-4.723F-01	-5.192E-01	2.0	1.0
99.600	21.8693	0.01785	1.5E 00	4.320E 00	8.755E-01	9.290E-01	-4.803E-01	-5.270E-01	2.0	1.0

99.400	21.9713	0.01768	1.5E 00	4.254E 00	8.863E-01	9.382E-01	-4.643E-01	-5.105E-01	2.0	1.0
99.600	21.8693	0.01785	1.5E 00	4.320E 00	8.755E-01	9.290E-01	-4.803E-01	-5.270E-01	2.0	1.0
99.800	21.7645	0.01803	1.5E 00	4.313E 00	8.645E-01	9.195E-01	-4.880E-01	-5.327E-01	2.0	1.0
100.000	21.6570	0.01822	1.5E 00	4.384E 00	8.534E-01	9.096E-01	-4.960E-01	-5.409E-01	2.0	1.0
100.200	21.5464	0.01843	1.5E 00	4.442E 00	8.424E-01	8.995E-01	-5.041E-01	-5.494E-01	2.0	1.0
100.400	21.4328	0.01864	1.5E 00	4.298E 00	8.314E-01	8.891E-01	-5.114E-01	-5.518E-01	2.0	1.0
100.600	21.3163	0.01886	1.5E 00	4.369E 00	8.204E-01	8.785E-01	-5.190E-01	-5.608E-01	2.0	1.0
100.800	21.1967	0.01909	1.5E 00	4.102E 00	8.097E-01	8.680E-01	-5.251E-01	-5.586E-01	2.0	1.0
101.000	21.0742	0.01932	1.5E 00	4.183E 00	7.989E-01	8.572E-01	-5.318E-01	-5.677E-01	2.0	1.0
101.200	20.9484	0.01957	1.5E 00	4.250E 00	7.882E-01	8.462E-01	-5.390E-01	-5.771E-01	2.0	1.0
101.400	20.8186	0.01993	1.7E 00	6.795E 00	7.180E-01	8.232E-01	-5.448E-01	-5.712E-01	3.0	1.0
101.600	20.6835	0.02052	1.6E 00	6.578E 00	7.017E-01	8.010E-01	-5.524E-01	-5.858E-01	3.0	1.0
101.800	20.5430	0.02109	1.6E 00	6.082E 00	6.864E-01	7.799E-01	-5.581E-01	-5.831E-01	3.0	1.0
102.000	20.3972	0.02165	1.6E 00	5.768E 00	6.716E-01	7.597E-01	-5.639E-01	-5.893E-01	3.0	1.0
102.200	20.2462	0.02222	1.6E 00	5.398E 00	6.578E-01	7.405E-01	-5.691E-01	-5.914E-01	3.0	1.0
102.400	20.0900	0.02279	1.5E 00	5.026E 00	6.448E-01	7.223E-01	-5.734E-01	-5.917E-01	3.0	1.0
102.600	19.9287	0.02335	1.5E 00	4.706E 00	6.325E-01	7.051E-01	-5.775E-01	-5.943E-01	3.0	1.0
102.800	19.7611	0.02421	1.7E 00	7.630E 00	5.534E-01	6.718E-01	-5.767E-01	-5.736E-01	3.0	1.0
103.000	19.5851	0.02536	1.7E 00	6.628E 00	5.404E-01	6.426E-01	-5.795E-01	-5.895E-01	3.0	1.0
103.200	19.4010	0.02645	1.6E 00	5.673E 00	5.297E-01	6.175E-01	-5.805E-01	-5.938E-01	3.0	1.0
103.400	19.2079	0.02786	1.7E 00	7.747E 00	4.625E-01	5.788E-01	-5.748E-01	-5.573E-01	3.0	1.0
103.600	19.0038	0.02960	1.6E 00	6.204E 00	4.533E-01	5.474E-01	-5.741E-01	-5.719E-01	3.0	1.0
103.800	18.7920	0.03117	1.6E 00	5.687E 00	4.487E-01	5.220E-01	-5.587E-01	-5.140E-01	3.0	1.0
104.000	18.5708	0.03330	1.7E 00	7.389E 00	3.732E-01	4.791E-01	-5.486E-01	-5.235E-01	3.0	1.0
104.200	18.3349	0.03596	1.6E 00	5.332E 00	3.699E-01	4.478E-01	-5.443E-01	-5.333E-01	3.0	1.0
104.400	18.0881	0.03953	1.8E 00	9.391E 00	2.991E-01	3.955E-01	-4.963E-01	-4.077E-01	3.0	1.0
104.600	17.8354	0.04384	1.6E 00	5.986E 00	3.068E-01	3.647E-01	-4.642E-01	-4.037E-01	3.0	1.0
104.800	17.5730	0.04845	1.6E 00	5.933E 00	2.546E-01	3.233E-01	-4.387E-01	-3.960E-01	3.0	1.0
104.853	17.5000	0.01398	1.6E 00	6.272E 00	2.198E-01	3.102E-01	-4.314E-01	-3.810E-01	6.0	-1.0
105.023	17.2500	0.04969	1.6E 00	6.462E 00	1.821E-01	2.602E-01	-4.072E-01	-3.694E-01	3.0	-1.0
105.190	17.0000	0.05900	1.9E 00	1.029E 01	1.596E-01	2.106E-01	-2.990E-01	-1.875E-01	4.0	-1.0
105.374	16.7500	0.08033	1.6E 00	6.364E 00	1.426E-01	1.724E-01	-2.197E-01	-1.579E-01	4.0	-1.0
105.587	16.5000	0.11052	1.5E 00	3.932E 00	1.347E-01	1.478E-01	-1.573E-01	-1.236E-01	4.0	-1.0
10 .714	16.3750	0.07286	1.4E 00	2.749E 00	1.397E-01	1.441E-01	-1.287E-01	-9.472E-02	4.0	-1.0
105.877	16.2500	0.09135	1.3E 00	2.393E 00	1.618E-01	1.536E-01	-9.939E-02	-7.371E-02	4.0	-1.0
106.113	16.1250	0.12411	1.3E 00	1.923E 00	1.687E-01	1.634E-01	-6.847E-02	-5.144E-02	4.0	-1.0
106.158	16.1094	0.02219	1.6E 00	5.512E 00	1.921E-01	1.688E-01	-4.887E-02	3.540E-02	3.0	-1.0
106.217	16.0957	0.02905	1.5E 00	4.370E 00	1.921E-01	1.741E-01	-2.956E-02	3.539E-02	3.0	-1.0
106.261	16.0897	0.02045	1.4E 00	3.501E 00	1.921E-01	1.770E-01	-1.918E-02	3.538E-02	3.0	-1.0
106.349	16.0841	0.04115	1.4E 00	2.739E 00	1.921E-01	1.813E-01	-3.534E-03	3.537E-02	5.0	-1.0
106.549	16.0923	0.09662	1.3E 00	2.071E 00	1.489E-01	1.637E-01	1.757E-02	3.537E-02	3.0	1.0
106.749	16.1217	0.10832	1.3E 00	1.541E 00	1.297E-01	1.441E-01	2.772E-02	3.538E-02	4.0	1.0
106.949	16.1667	0.12484	1.2E 00	1.333E 00	1.105E-01	1.249E-01	3.241E-02	3.540E-02	4.0	1.0
107.149	16.2264	0.14898	1.2E 00	1.166E 00	9.132E-02	1.008E-01	3.437E-02	3.545E-02	4.0	1.0
107.349	16.3041	0.18648	1.2E 00	9.739E-01	7.212E-02	7.796E-02	3.508E-02	3.550E-02	4.0	1.0
107.549	16.3417	0.09298	1.9E 00	1.091E 01	3.724E-01	2.805E-01	3.236E-02	3.128E-02	4.0	1.0
107.749	16.3625	0.05489	1.6E 00	5.142E 00	3.946E-01	3.267E-01	3.065E-02	2.833E-02	3.0	1.0
107.949	16.3800	0.04863	1.5E 00	4.192E 00	4.169E-01	3.587E-01	2.918E-02	2.671E-02	3.0	1.0
108.149	16.3953	0.04483	1.5E 00	3.807E 00	4.391E-01	3.849E-01	2.787E-02	2.534E-02	3.0	1.0
108.349	16.4133	0.04339	1.3E 00	2.254E 00	3.797E-01	3.834E-01	4.141E-02	7.430E-02	3.0	1.0
108.549	16.4380	0.04431	1.4E 00	2.746E 00	3.363E-01	3.689E-01	5.143E-02	7.430E-02	3.0	1.0
108.749	16.4690	0.04680	1.5E 00	3.728E 00	2.929E-01	3.434E-01	5.905E-02	7.430E-02	3.0	1.0
108.949	16.5070	0.05113	1.5E 00	4.367E 00	2.496E-01	3.085E-01	6.464E-02	7.430E-02	3.0	1.0
109.149	16.5447	0.04728	1.8E 00	9.662E 00	5.234E-01	3.965E-01	6.843E-02	7.405E-02	3.0	1.0
109.349	16.5776	0.03970	1.7E 00	8.733E 00	5.390E-01	4.431E-01	6.976E-02	7.267E-02	3.0	1.0
109.549	16.6081	0.03629	1.6E 00	5.378E 00	5.545E-01	4.755E-01	7.020E-02	7.147E-02	3.0	1.0
109.749	16.6369	0.03415	1.5E 00	4.629E 00	5.701E-01	5.008E-01	7.020E-02	7.036E-02	3.0	1.0
109.949	16.6643	0.03259	1.5E 00	4.188E 00	5.856E-01	5.227E-01	6.993E-02	6.932E-02	3.0	1.0
110.149	16.6905	0.03135	1.5E 00	3.925E 00	6.011E-01	5.412E-01	6.949E-02	6.832E-02	3.0	1.0
111.149	16.8274	0.15482	1.1E 00	5.611E-01	5.327E-01	5.354E-01	7.785E-02	8.191E-02	4.0	1.0
112.149	16.9877	0.16895	1.4E 00	3.330E 00	4.342E-01	4.511E-01	8.031E-02	8.101E-02	4.0	1.0
113.149	17.1890	0.21058	1.4E 00	3.403E 00	3.344E-01	3.403E-01	7.901E-02	7.913E-02	4.0	1.0
113.474	17.2500	0.06569	1.9E 00	1.081E 01	6.024E-01	4.820E-01	7.533E-02	7.236E-02	6.0	-1.0

VOYWM = 7.1270E-02 VOXWM = 6.0384E-01

116.034	17.5000	0.35327	2.0E 00	1.377E 01	7.257E-01	7.257E-01	6.722E-02	6.784E-02	27.0	-1.0
117.034	17.5969	0.11764	1.3E 00	2.122E 00	6.706E-01	6.911E-01	7.004E-02	7.195E-02	5.0	1.0
118.034	17.6935	0.11482	1.5E 00	3.901E 00	7.948E-01	7.603E-01	7.027E-02	7.059E-02	4.0	1.0

119.034	17.7838	0.10762	1.3E 00	1.905E 00	8.082E-01	7.883E-01	6.954E-02	6.924E-02	3.0	1.0
120.034	17.8701	0.10426	1.3E 00	1.581E 00	8.273E-01	8.103E-01	6.844E-02	6.783E-02	3.0	1.0
121.034	17.9562	0.10639	1.4E 00	3.375E 00	7.229E-01	7.564E-01	6.636E-02	6.528E-02	3.0	1.0
122.034	18.0555	0.12612	1.7E 00	8.233E 00	5.143E-01	5.651E-01	6.488E-02	6.465E-02	4.0	1.0
123.034	18.1497	0.12204	1.6E 00	9.936E 00	8.587E-01	8.006E-01	6.374E-02	6.362E-02	4.0	1.0
124.034	18.2261	0.10158	1.4E 00	2.703E 00	8.684E-01	8.402E-01	6.284E-02	6.242E-02	3.0	1.0
125.034	18.2992	0.09999	1.2E 00	1.125E 00	8.146E-01	8.266E-01	5.784E-02	5.365E-02	3.0	1.0
126.034	18.3709	0.10585	1.5E 00	4.648E 00	7.055E-01	7.479E-01	5.499E-02	5.365E-02	3.0	1.0
127.034	18.4494	0.12020	1.6E 00	5.465E 00	5.964E-01	6.387E-01	5.389E-02	5.365E-02	4.0	1.0
128.034	18.5423	0.14411	1.6E 00	5.124E 00	4.873E-01	5.178E-01	5.355E-02	5.365E-02	4.0	1.0
129.034	18.6212	0.12311	2.0E 00	1.243E 01	8.970E-01	8.359E-01	5.324E-02	5.334E-02	4.0	1.0
130.034	18.6833	0.09749	1.4E 00	2.681E 00	9.024E-01	8.736E-01	5.285E-02	5.276E-02	3.0	1.0
131.034	18.7429	0.09443	1.2E 00	1.428E 00	9.078E-01	8.913E-01	5.244E-02	5.230E-02	3.0	1.0
132.034	18.8012	0.09293	1.2E 00	9.285E-01	9.132E-01	9.021E-01	5.203E-02	5.187E-02	3.0	1.0
133.034	18.8554	0.09199	1.2E 00	8.316E-01	9.176E-01	9.097E-01	4.614E-02	4.018E-02	3.0	1.0
134.034	18.9043	0.09133	1.1E 00	5.611E-01	9.213E-01	9.151E-01	4.320E-02	4.018E-02	3.0	1.0
135.034	18.9506	0.09083	1.1E 00	4.424E-01	9.249E-01	9.197E-01	4.168E-02	4.018E-02	3.0	1.0
136.034	18.9954	0.09041	1.1E 00	3.910E-01	9.286E-01	9.238E-01	4.047E-02	4.018E-02	3.0	1.0
137.034	19.0393	0.09004	1.1E 00	3.340E-01	9.322E-01	9.272E-01	4.047E-02	4.018E-02	2.0	1.0
138.034	19.0827	0.08972	1.1E 00	3.146E-01	9.352E-01	9.305E-01	4.015E-02	3.996E-02	2.0	1.0
139.034	19.1256	0.08940	1.1E 00	3.294E-01	9.388E-01	9.339E-01	3.986E-02	3.971E-02	2.0	1.0
140.034	19.1681	0.08907	1.1E 00	3.384E-01	9.424E-01	9.374E-01	3.959E-02	3.947E-02	2.0	1.0

-0.		28.44531		1.00000	-0.					
XNN1	YMN1	DTH	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	28.4444	0.08339	1.1E 00	2.395E-01	9.963E-01	9.985E-01	-1.888E-03	-4.568E-03	2.0	1.0
2.000	28.4417	0.08350	1.1E 00	1.896E-01	9.965E-01	9.975E-01	-3.459E-03	-4.568E-03	1.0	1.0
3.000	28.4379	0.08356	1.0E 00	7.362E-02	9.968E-01	9.971E-01	-4.178E-03	-4.567E-03	1.0	1.0
4.000	28.4335	0.08358	1.0E 00	2.230E-02	9.970E-01	9.971E-01	-4.522E-03	-4.567E-03	1.0	1.0
5.000	28.4289	0.08357	1.0E 00	1.311E-02	9.973E-01	9.972E-01	-4.692E-03	-4.566E-03	1.0	1.0
6.000	28.4241	0.08356	1.0E 00	2.213E-02	9.976E-01	9.974E-01	-4.883E-03	-4.779E-03	1.0	1.0
7.000	28.4192	0.08354	1.0E 00	2.665E-02	9.978E-01	9.976E-01	-4.926E-03	-4.779E-03	1.0	1.0
8.000	28.4142	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.926E-03	-4.778E-03	1.0	1.0
9.000	28.4093	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.926E-03	-4.778E-03	1.0	1.0
10.000	28.4044	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.926E-03	-4.777E-03	1.0	1.0
11.000	28.3993	0.08345	1.0E 00	3.509E-02	9.990E-01	9.987E-01	-5.221E-03	-5.217E-03	1.0	1.0
12.000	28.3940	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.363E-03	-5.217E-03	1.0	1.0
13.000	28.3886	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.363E-03	-5.216E-03	1.0	1.0
14.000	28.3832	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.363E-03	-5.215E-03	1.0	1.0
15.000	28.3779	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.363E-03	-5.215E-03	1.0	1.0
16.000	28.3723	0.08333	1.0E 00	4.593E-02	1.000E 00	1.000E 00	-5.788E-03	-5.908E-03	1.0	1.0
17.000	28.3664	0.08331	1.0E 00	3.616E-02	1.001E 00	1.000E 00	-5.995E-03	-5.908E-03	1.0	1.0
18.000	28.3604	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.053E-03	-5.907E-03	1.0	1.0
19.000	28.3543	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.053E-03	-5.906E-03	1.0	1.0
20.000	28.3483	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.053E-03	-5.905E-03	1.0	1.0
21.000	28.3420	0.08320	1.0E 00	6.121E-02	1.002E 00	1.002E 00	-6.632E-03	-6.898E-03	1.0	1.0
22.000	28.3352	0.08317	1.0E 00	4.300E-02	1.003E 00	1.002E 00	-6.913E-03	-6.897E-03	1.0	1.0
23.000	28.3282	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.042E-03	-6.896E-03	1.0	1.0
24.000	28.3212	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-7.042E-03	-6.895E-03	1.0	1.0
25.000	28.3142	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.042E-03	-6.894E-03	1.0	1.0
26.000	28.3068	0.08304	1.0E 00	8.142E-02	1.004E 00	1.004E 00	-7.811E-03	-8.252E-03	1.0	1.0
27.000	28.2988	0.08301	1.0E 00	5.298E-02	1.005E 00	1.004E 00	-8.181E-03	-8.251E-03	1.0	1.0
28.000	28.2906	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.362E-03	-8.250E-03	1.0	1.0
29.000	28.2823	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.395E-03	-8.249E-03	1.0	1.0
30.000	28.2739	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.395E-03	-8.247E-03	1.0	1.0
31.000	28.2651	0.08286	1.0E 00	1.078E-01	1.006E 00	1.006E 00	-9.406E-03	-1.007E-02	1.0	1.0
32.000	28.2555	0.08282	1.0E 00	6.658E-02	1.007E 00	1.006E 00	-9.889E-03	-1.007E-02	1.0	1.0
33.000	28.2455	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.012E-02	-1.006E-02	1.0	1.0
34.000	28.2354	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.021E-02	-1.006E-02	1.0	1.0
35.000	28.2253	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.021E-02	-1.006E-02	1.0	1.0
36.000	28.2147	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008E 00	-1.126E-02	-1.248E-02	3.0	1.0
37.000	28.2032	0.08261	1.0E 00	7.750E-02	1.010E 00	1.009E 00	-1.187E-02	-1.248E-02	3.0	1.0
38.000	28.1913	0.08257	1.0E 00	6.259E-02	1.010E 00	1.010E 00	-1.221E-02	-1.247E-02	2.0	1.0
39.000	28.1791	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.241E-02	-1.247E-02	2.0	1.0
40.000	28.1667	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.259E-02	-1.247E-02	1.0	1.0
41.000	28.1536	0.08241	1.1E 00	1.503E-01	1.012E 00	1.011E 00	-1.398E-02	-1.567E-02	3.0	1.0
42.000	28.1394	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.478E-02	-1.567E-02	3.0	1.0

39.000	28.1791	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.241E-02	-1.247E-02	2.0	1.0
40.000	28.1667	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.259E-02	-1.247E-02	1.0	1.0
41.000	28.1536	0.08241	1.1E 00	1.503E-01	1.012E 00	1.011E 00	-1.398E-02	-1.567E-02	3.0	1.0
42.000	28.1394	0.08236	1.0E 00	1.035E-01	1.013E 00	1.012E 00	-1.478E-02	-1.567E-02	3.0	1.0
43.000	28.1245	0.08231	1.0E 00	8.006E-02	1.014E 00	1.013E 00	-1.523E-02	-1.567E-02	2.0	1.0
44.000	28.1094	0.08225	1.0E 00	7.898E-02	1.015E 00	1.014E 00	-1.550E-02	-1.566E-02	2.0	1.0
45.000	28.0940	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.567E-02	-1.566E-02	2.0	1.0
46.000	28.0776	0.08213	1.1E 00	2.080E-01	1.016E 00	1.015E 00	-1.755E-02	-1.992E-02	3.0	1.0
47.000	28.0598	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.863E-02	-1.991E-02	3.0	1.0
48.000	28.0412	0.08199	1.0E 00	1.120E-01	1.018E 00	1.017E 00	-1.927E-02	-1.991E-02	3.0	1.0
49.000	28.0221	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.962E-02	-1.991E-02	2.0	1.0
50.000	28.0027	0.08185	1.0E 00	9.726E-02	1.020E 00	1.019E 00	-1.983E-02	-1.990E-02	2.0	1.0
51.000	27.9820	0.08177	1.1E 00	2.766E-01	1.021E 00	1.020E 00	-2.236E-02	-2.559E-02	3.0	1.0
52.000	27.9594	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.380E-02	-2.559E-02	3.0	1.0
53.000	27.9356	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.464E-02	-2.558E-02	3.0	1.0
54.000	27.9113	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.511E-02	-2.558E-02	2.0	1.0
55.000	27.8866	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.539E-02	-2.557E-02	2.0	1.0
56.000	27.8602	0.08135	1.1E 00	3.704E-01	1.027E 00	1.025E 00	-2.882E-02	-3.324E-02	3.0	1.0
57.000	27.8311	0.08125	1.1E 00	2.371E-01	1.028E 00	1.026E 00	-3.076E-02	-3.323E-02	3.0	1.0
58.000	27.8006	0.08115	1.1E 00	1.759E-01	1.029E 00	1.028E 00	-3.188E-02	-3.323E-02	3.0	1.0
59.000	27.7693	0.08105	1.1E 00	1.528E-01	1.031E 00	1.029E 00	-3.254E-02	-3.323E-02	3.0	1.0
60.000	27.7375	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.291E-02	-3.322E-02	2.0	1.0
61.000	27.7033	0.08085	1.1E 00	4.974E-01	1.033E 00	1.031E 00	-3.760E-02	-4.364E-02	3.0	1.0
62.000	27.6656	0.08073	1.1E 00	3.093E-01	1.035E 00	1.033E 00	-4.023E-02	-4.364E-02	3.0	1.0
63.000	27.6260	0.08062	1.1E 00	2.195E-01	1.036E 00	1.034E 00	-4.174E-02	-4.365E-02	3.0	1.0
64.000	27.5852	0.08051	1.1E 00	1.829E-01	1.038E 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.5438	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.312E-02	-4.365E-02	2.0	1.0
66.000	27.4992	0.08028	1.2E 00	6.765E-01	1.041E 00	1.039E 00	-4.965E-02	-5.797E-02	3.0	1.0
67.000	27.4497	0.08015	1.1E 00	4.079E-01	1.043E 00	1.041E 00	-5.326E-02	-5.799E-02	3.0	1.0
68.000	27.3975	0.08002	1.1E 00	2.745E-01	1.044E 00	1.042E 00	-5.533E-02	-5.801E-02	3.0	1.0
69.000	27.3439	0.07990	1.1E 00	2.154E-01	1.046E 00	1.044E 00	-5.654E-02	-5.804E-02	3.0	1.0
70.000	27.2894	0.07977	1.1E 00	1.935E-01	1.048E 00	1.045E 00	-5.727E-02	-5.806E-02	3.0	1.0
71.000	27.2303	0.07964	1.2E 00	9.268E-01	1.050E 00	1.047E 00	-6.647E-02	-7.798E-02	3.0	1.0
72.000	27.1645	0.07951	1.1E 00	5.412E-01	1.051E 00	1.049E 00	-7.148E-02	-7.805E-02	3.0	1.0
73.000	27.0950	0.07939	1.1E 00	3.429E-01	1.053E 00	1.051E 00	-7.433E-02	-7.812E-02	3.0	1.0
74.000	27.0235	0.07927	1.1E 00	2.466E-01	1.054E 00	1.052E 00	-7.602E-02	-7.821E-02	3.0	1.0
75.000	26.9508	0.07915	1.1E 00	2.053E-01	1.056E 00	1.054E 00	-7.705E-02	-7.829E-02	3.0	1.0
76.000	26.8715	0.07902	1.2E 00	1.290E 00	1.057E 00	1.055E 00	-9.031E-02	-1.063E-01	3.0	1.0
77.000	26.7826	0.07891	1.2E 00	7.321E-01	1.059E 00	1.057E 00	-9.738E-02	-1.066E-01	3.0	1.0
78.000	26.6886	0.07881	1.1E 00	4.394E-01	1.060E 00	1.058E 00	-1.014E-01	-1.068E-01	3.0	1.0
79.000	26.5917	0.07872	1.1E 00	2.834E-01	1.061E 00	1.059E 00	-1.038E-01	-1.070E-01	3.0	1.0
80.000	26.4931	0.07863	1.1E 00	2.029E-01	1.062E 00	1.060E 00	-1.053E-01	-1.073E-01	3.0	1.0
81.000	26.3869	0.07855	1.2E 00	1.404E 00	1.063E 00	1.061E 00	-1.199E-01	-1.374E-01	3.0	1.0
82.000	26.2703	0.07849	1.2E 00	7.987E-01	1.063E 00	1.062E 00	-1.277E-01	-1.379E-01	3.0	1.0
83.000	26.1480	0.07845	1.1E 00	4.786E-01	1.063E 00	1.062E 00	-1.323E-01	-1.385E-01	3.0	1.0
84.000	26.0169	0.07845	1.2E 00	1.338E 00	1.062E 00	1.062E 00	-1.461E-01	-1.629E-01	3.0	1.0
85.000	25.8757	0.07848	1.2E 00	7.835E-01	1.061E 00	1.061E 00	-1.538E-01	-1.638E-01	3.0	1.0
86.000	25.7222	0.07855	1.3E 00	1.705E 00	1.059E 00	1.060E 00	-1.719E-01	-1.930E-01	3.0	1.0
87.000	25.5552	0.07867	1.2E 00	1.009E 00	1.056E 00	1.058E 00	-1.819E-01	-1.944E-01	3.0	1.0
88.000	25.3802	0.07883	1.2E 00	6.681E-01	1.053E 00	1.056E 00	-1.880E-01	-1.960E-01	3.0	1.0
89.000	25.1923	0.07906	1.3E 00	1.901E 00	1.047E 00	1.052E 00	-2.083E-01	-2.312E-01	3.0	1.0
90.000	24.9884	0.07938	1.2E 00	1.189E 00	1.042E 00	1.048E 00	-2.197E-01	-2.336E-01	3.0	1.0
91.000	24.7679	0.07886	1.4E 00	2.817E 00	1.085E 00	1.066E 00	-2.464E-01	-2.742E-01	3.0	1.0
91.200	24.7214	0.01562	1.3E 00	1.871E 00	1.080E 00	1.067E 00	-2.501E-01	-2.789E-01	2.0	1.0
91.400	24.6742	0.01560	1.3E 00	1.675E 00	1.078E 00	1.069E 00	-2.534E-01	-2.799E-01	2.0	1.0
91.600	24.6265	0.01559	1.3E 00	1.511E 00	1.076E 00	1.069E 00	-2.565E-01	-2.809E-01	2.0	1.0
91.800	24.5783	0.01558	1.2E 00	1.376E 00	1.074E 00	1.070E 00	-2.593E-01	-2.819E-01	2.0	1.0
92.000	24.5296	0.01557	1.2E 00	1.266E 00	1.072E 00	1.070E 00	-2.618E-01	-2.829E-01	2.0	1.0
92.200	24.4805	0.01557	1.2E 00	1.179E 00	1.071E 00	1.070E 00	-2.642E-01	-2.840E-01	2.0	1.0
92.400	24.4309	0.01557	1.2E 00	1.111E 00	1.069E 00	1.070E 00	-2.664E-01	-2.850E-01	2.0	1.0
92.600	24.3809	0.01558	1.2E 00	1.059E 00	1.067E 00	1.070E 00	-2.685E-01	-2.861E-01	2.0	1.0
92.800	24.3301	0.01558	1.4E 00	2.606E 00	1.064E 00	1.069E 00	-2.743E-01	-3.175E-01	2.0	1.0
93.000	24.2783	0.01560	1.3E 00	2.397E 00	1.061E 00	1.068E 00	-2.796E-01	-3.189E-01	2.0	1.0
93.200	24.2255	0.01561	1.3E 00	2.225E 00	1.058E 00	1.067E 00	-2.843E-01	-3.204E-01	2.0	1.0
93.400	24.1717	0.01563	1.3E 00	2.085E 00	1.055E 00	1.066E 00	-2.887E-01	-3.219E-01	2.0	1.0
93.600	24.1171	0.01565	1.3E 00	1.972E 00	1.052E 00	1.064E 00	-2.926E-01	-3.234E-01	2.0	1.0
93.800	24.0616	0.01567	1.4E 00	2.543E 00	1.049E 00	1.062E 00	-2.981E-01	-3.383E-01	2.0	1.0
94.000	24.0050	0.01570	1.3E 00	2.392E 00	1.046E 00	1.060E 00	-3.030E-01	-3.400E-01	2.0	1.0
94.200	23.9473	0.01573	1.3E 00	2.270E 00	1.042E 00	1.058E 00	-3.076E-01	-3.418E-01	2.0	1.0
94.400	23.8886	0.01577	1.3E 00	2.476E 00	1.038E 00	1.056E 00	-3.126E-01	-3.440E-01	2.0	1.0

94.600	23.8289	0.01580	1.4E 00	2.578E 00	1.034E 00	1.053E 00	-3.179E-01	-3.564E-01	2.0	1.0
94.800	23.7679	0.01584	1.4E 00	2.691E 00	1.030E 00	1.051E 00	-3.234E-01	-3.633E-01	2.0	1.0
95.000	23.7057	0.01589	1.4E 00	2.774E 00	1.026E 00	1.048E 00	-3.291E-01	-3.699E-01	2.0	1.0
95.200	23.6423	0.01593	1.4E 00	2.853E 00	1.022E 00	1.044E 00	-3.343E-01	-3.721E-01	2.0	1.0
95.400	23.5776	0.01598	1.4E 00	2.861E 00	1.017E 00	1.041E 00	-3.401E-01	-3.811E-01	2.0	1.0
95.600	23.5116	0.01604	1.4E 00	2.749E 00	1.012E 00	1.038E 00	-3.454E-01	-3.836E-01	2.0	1.0
95.800	23.4443	0.01609	1.4E 00	3.038E 00	1.007E 00	1.034E 00	-3.516E-01	-3.946E-01	2.0	1.0
96.000	23.3756	0.01615	1.4E 00	2.923E 00	1.002E 00	1.030E 00	-3.573E-01	-3.973E-01	2.0	1.0
96.200	23.3056	0.01622	1.4E 00	2.832E 00	9.973E-01	1.026E 00	-3.626E-01	-4.001E-01	2.0	1.0
96.400	23.2341	0.01628	1.4E 00	3.298E 00	9.914E-01	1.021E 00	-3.694E-01	-4.152E-01	2.0	1.0
96.600	23.1610	0.01635	1.4E 00	3.179E 00	9.858E-01	1.017E 00	-3.757E-01	-4.183E-01	2.0	1.0
96.800	23.0863	0.01643	1.4E 00	3.084E 00	9.802E-01	1.012E 00	-3.815E-01	-4.215E-01	2.0	1.0
97.000	23.0102	0.01651	1.4E 00	3.010E 00	9.746E-01	1.007E 00	-3.871E-01	-4.248E-01	2.0	1.0
97.200	22.9326	0.01659	1.4E 00	2.952E 00	9.690E-01	1.002E 00	-3.924E-01	-4.281E-01	2.0	1.0
97.400	22.8536	0.01664	1.4E 00	2.980E 00	9.847E-01	1.000E 00	-3.993E-01	-4.462E-01	2.0	1.0
97.600	22.7729	0.01669	1.4E 00	3.030E 00	9.758E-01	9.970E-01	-4.051E-01	-4.516E-01	2.0	1.0
97.800	22.6906	0.01675	1.4E 00	3.108E 00	9.669E-01	9.931E-01	-4.127E-01	-4.571E-01	2.0	1.0
98.000	22.6067	0.01682	1.4E 00	3.200E 00	9.580E-01	9.885E-01	-4.193E-01	-4.626E-01	2.0	1.0
98.200	22.5210	0.01691	1.4E 00	3.295E 00	9.491E-01	9.833E-01	-4.258E-01	-4.683E-01	2.0	1.0
98.400	22.4332	0.01700	1.5E 00	3.848E 00	9.382E-01	9.771E-01	-4.338E-01	-4.841E-01	2.0	1.0
98.600	22.3433	0.01712	1.5E 00	3.919E 00	9.280E-01	9.703E-01	-4.417E-01	-4.906E-01	2.0	1.0
98.800	22.2511	0.01724	1.5E 00	3.991E 00	9.178E-01	9.630E-01	-4.495E-01	-4.974E-01	2.0	1.0
99.000	22.1566	0.01738	1.5E 00	4.058E 00	9.076E-01	9.552E-01	-4.572E-01	-5.043E-01	2.0	1.0
99.200	22.0596	0.01752	1.5E 00	4.119E 00	8.974E-01	9.469E-01	-4.650E-01	-5.113E-01	2.0	1.0
99.400	21.9601	0.01768	1.5E 00	4.259E 00	8.863E-01	9.382E-01	-4.730E-01	-5.201E-01	2.0	1.0
99.600	21.8579	0.01785	1.5E 00	4.325E 00	8.755E-01	9.290E-01	-4.810E-01	-5.278E-01	2.0	1.0
99.800	21.7530	0.01803	1.5E 00	4.317E 00	8.645E-01	9.195E-01	-4.886E-01	-5.336E-01	2.0	1.0
100.000	21.6452	0.01822	1.5E 00	4.388E 00	8.534E-01	9.096E-01	-4.968E-01	-5.419E-01	2.0	1.0
100.200	21.5345	0.01843	1.5E 00	4.446E 00	8.424E-01	8.995E-01	-5.049E-01	-5.504E-01	2.0	1.0
100.400	21.4208	0.01864	1.5E 00	4.302E 00	8.314E-01	8.891E-01	-5.122E-01	-5.528E-01	2.0	1.0
100.600	21.3040	0.01886	1.5E 00	4.372E 00	8.204E-01	8.785E-01	-5.199E-01	-5.617E-01	2.0	1.0
100.800	21.1842	0.01909	1.5E 00	4.104E 00	8.097E-01	8.679E-01	-5.260E-01	-5.595E-01	2.0	1.0
101.000	21.0615	0.01932	1.5E 00	4.185E 00	7.989E-01	8.572E-01	-5.327E-01	-5.687E-01	2.0	1.0
101.200	20.9356	0.01957	1.5E 00	4.252E 00	7.882E-01	8.462E-01	-5.399E-01	-5.781E-01	2.0	1.0
101.400	20.8055	0.01997	1.7E 00	6.801E 00	7.180E-01	8.232E-01	-5.458E-01	-5.727E-01	3.0	1.0
101.600	20.6701	0.02052	1.6E 00	6.585E 00	7.017E-01	8.009E-01	-5.534E-01	-5.872E-01	3.0	1.0
101.800	20.5294	0.02109	1.6E 00	6.085E 00	6.864E-01	7.798E-01	-5.592E-01	-5.846E-01	3.0	1.0
102.000	20.3833	0.02165	1.6E 00	5.771E 00	6.716E-01	7.596E-01	-5.651E-01	-5.907E-01	3.0	1.0
102.200	20.2319	0.02222	1.6E 00	5.400E 00	6.578E-01	7.405E-01	-5.704E-01	-5.927E-01	3.0	1.0
102.400	20.0753	0.02279	1.5E 00	5.027E 00	6.448E-01	7.223E-01	-5.747E-01	-5.930E-01	3.0	1.0
102.600	19.9137	0.02335	1.5E 00	4.706E 00	6.325E-01	7.051E-01	-5.787E-01	-5.956E-01	3.0	1.0
102.800	19.7457	0.02421	1.7E 00	7.630E 00	5.534E-01	6.718E-01	-5.780E-01	-5.750E-01	3.0	1.0
103.000	19.5694	0.02536	1.7E 00	6.628E 00	5.404E-01	6.426E-01	-5.809E-01	-5.909E-01	3.0	1.0
103.200	19.3848	0.02645	1.6E 00	5.673E 00	5.297E-01	6.175E-01	-5.819E-01	-5.851E-01	3.0	1.0
103.400	19.1913	0.02786	1.7E 00	7.747E 00	4.625E-01	5.788E-01	-5.761E-01	-5.585E-01	3.0	1.0
103.600	18.9868	0.02960	1.6E 00	6.204E 00	4.533E-01	5.474E-01	-5.754E-01	-5.732E-01	3.0	1.0
103.800	18.7699	0.03186	1.8E 00	8.759E 00	3.765E-01	4.981E-01	-5.580E-01	-5.148E-01	3.0	1.0
104.000	18.5395	0.03472	1.6E 00	6.248E 00	3.732E-01	4.621E-01	-5.484E-01	-5.245E-01	3.0	1.0
104.200	18.2961	0.03712	1.5E 00	4.510E 00	3.699E-01	4.358E-01	-5.445E-01	-5.347E-01	3.0	1.0
104.400	18.0432	0.04050	1.8E 00	8.997E 00	2.991E-01	3.873E-01	-4.958E-01	-4.071E-01	3.0	1.0
104.600	17.7862	0.04466	1.6E 00	5.725E 00	3.068E-01	3.591E-01	-4.634E-01	-4.030E-01	3.0	1.0
104.628	17.7500	0.00654	1.7E 00	7.142E 00	2.486E-01	3.521E-01	-4.590E-01	-3.935E-01	5.0	-1.0
104.810	17.5000	0.04681	1.7E 00	7.437E 00	2.064E-01	2.963E-01	-4.311E-01	-3.859E-01	3.0	-1.0
104.973	17.2500	0.04970	1.6E 00	6.084E 00	1.779E-01	2.506E-01	-4.073E-01	-3.694E-01	3.0	-1.0
105.119	17.0000	0.05267	1.6E 00	5.186E 00	1.535E-01	2.125E-01	-3.837E-01	-3.470E-01	3.0	-1.0
105.267	16.7500	0.06413	1.8E 00	1.001E 01	1.330E-01	1.711E-01	-2.660E-01	-1.579E-01	4.0	-1.0
105.441	16.5000	0.09385	1.6E 00	5.921E 00	1.181E-01	1.383E-01	-1.780E-01	-1.236E-01	3.0	-1.0
105.545	16.3750	0.06526	1.5E 00	3.814E 00	1.145E-01	1.278E-01	-1.413E-01	-9.472E-02	4.0	-1.0
105.675	16.2500	0.08402	1.4E 00	2.848E 00	1.325E-01	1.302E-01	-1.067E-01	-7.371E-02	4.0	-1.0
105.857	16.1250	0.11648	1.3E 00	2.144E 00	1.302E-01	1.302E-01	-7.218E-02	-5.144E-02	3.0	-1.0
105.996	16.0625	0.08297	1.3E 00	2.205E 00	1.649E-01	1.473E-01	-5.336E-02	-3.379E-02	4.0	-1.0
106.228	16.0000	0.11990	1.3E 00	2.077E 00	1.912E-01	1.753E-01	-3.352E-02	-2.202E-02	4.0	-1.0
106.325	15.9875	0.04621	1.4E 00	3.211E 00	1.798E-01	1.767E-01	-1.157E-02	3.419E-02	4.0	-1.0

MATRAT= 5.142541176-04 AVS= 3.135582806 00

... 1.798E-01 1.767E-01 -1.157E-02 3.419E-02 4.0 -1.0

WATRAT= 5.14254117E-04 AVS= 3.13558280E 00

XP= 1.062315512E 02 YP= 1.59995112E 01 WATER 0.044557

WATRAT= 0. AVS= 4.51405925E 00
XP= 0. YP= 0. WATER 0.044557

-0. 28.50000 1.00000 -0.

XNN1	YMN1	DTW	CK	REN	VDX	VDXWN1	VDYWN1	VDY	XKT	DIRECT
1.000	28.4991	0.08339	1.1E 00	2.396E-01	9.963E-01	9.985E-01	-1.890E-03	-4.573E-03	2.0	1.0
2.000	28.4964	0.08350	1.1E 00	1.898E-01	9.965E-01	9.975E-01	-3.463E-03	-4.573E-03	1.0	1.0
3.000	28.4925	0.08356	1.0E 00	7.370E-02	9.968E-01	9.971E-01	-4.183E-03	-4.573E-03	1.0	1.0
4.000	28.4882	0.08358	1.0E 00	2.234E-02	9.970E-01	9.971E-01	-4.527E-03	-4.572E-03	1.0	1.0
5.000	28.4835	0.08357	1.0E 00	1.312E-02	9.973E-01	9.972E-01	-4.697E-03	-4.572E-03	1.0	1.0
6.000	28.4787	0.08356	1.0E 00	2.213E-02	9.976E-01	9.974E-01	-4.889E-03	-4.785E-03	1.0	1.0
7.000	28.4738	0.08354	1.0E 00	2.685E-02	9.978E-01	9.976E-01	-4.932E-03	-4.785E-03	1.0	1.0
8.000	28.4689	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.932E-03	-4.784E-03	1.0	1.0
9.000	28.4639	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.932E-03	-4.784E-03	1.0	1.0
10.000	28.4590	0.08346	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.932E-03	-4.783E-03	1.0	1.0
11.000	28.4539	0.08345	1.0E 00	3.510E-02	9.990E-01	9.987E-01	-5.227E-03	-5.223E-03	1.0	1.0
12.000	28.4486	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.370E-03	-5.223E-03	1.0	1.0
13.000	28.4432	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.370E-03	-5.222E-03	1.0	1.0
14.000	28.4379	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.370E-03	-5.221E-03	1.0	1.0
15.000	28.4325	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.370E-03	-5.221E-03	1.0	1.0
16.000	28.4269	0.08333	1.0E 00	4.595E-02	1.000E 00	1.000E 00	-5.794E-03	-5.915E-03	1.0	1.0
17.000	28.4210	0.08331	1.0E 00	3.617E-02	1.001E 00	1.000E 00	-6.002E-03	-5.914E-03	1.0	1.0
18.000	28.4150	0.08328	1.0E 00	3.665E-02	1.001E 00	1.001E 00	-6.060E-03	-5.913E-03	1.0	1.0
19.000	28.4089	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.060E-03	-5.913E-03	1.0	1.0
20.000	28.4029	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.060E-03	-5.912E-03	1.0	1.0
21.000	28.3965	0.08320	1.0E 00	6.12[illegible]E-02	1.002E 00	1.002E 00	-6.639E-03	-6.905E-03	1.0	1.0
22.000	28.3898	0.08317	1.0E 00	4.301E-02	1.003E 00	1.002E 00	-6.920E-03	-6.904E-03	1.0	1.0
23.000	28.3828	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.050E-03	-6.903E-03	1.0	1.0
24.000	28.3758	0.08310	1.0E 00	4.280E-02	1.003E 00	1.003E 00	-7.050E-03	-6.902E-03	1.0	1.0
25.000	28.3687	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.050E-03	-6.901E-03	1.0	1.0
26.000	28.3613	0.08304	1.0E 00	8.146E-02	1.004E 00	1.004E 00	-7.819E-03	-8.261E-03	1.0	1.0
27.000	28.3534	0.08301	1.0E 00	5.299E-02	1.005E 00	1.004E 00	-8.189E-03	-8.259E-03	1.0	1.0
28.000	28.3451	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.370E-03	-8.258E-03	1.0	1.0
29.000	28.3368	0.08294	1.0E 00	4.943E-02	1.005E 00	1.005E 00	-8.403E-03	-8.257E-03	1.0	1.0
30.000	28.3284	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.403E-03	-8.256E-03	1.0	1.0
31.000	28.3195	0.08286	1.0E 00	1.079E-01	1.006E 00	1.006E 00	-9.414E-03	-1.008E-02	1.0	1.0
32.000	28.3100	0.08282	1.0E 00	6.660E-02	1.007E 00	1.006E 00	-9.898E-03	-1.008E-02	1.0	1.0
33.000	28.3000	0.08278	1.0E 00	5.790E-02	1.007E 00	1.007E 00	-1.013E-02	-1.007E-02	1.0	1.0
34.000	28.2899	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.022E-02	-1.007E-02	1.0	1.0
35.000	28.2798	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.022E-02	-1.007E-02	1.0	1.0
36.000	28.2691	0.08265	1.0E 00	1.102E-01	1.009E 00	1.008E 00	-1.126E-02	-1.249E-02	3.0	1.0
37.000	28.2576	0.08261	1.0E 00	7.752E-02	1.010E 00	1.009E 00	-1.188E-02	-1.249E-02	3.0	1.0
38.000	28.2457	0.08257	1.0E 00	6.259E-02	1.010E 00	1.010E 00	-1.222E-02	-1.248E-02	2.0	1.0
39.000	28.2335	0.08253	1.0E 00	6.381E-02	1.011E 00	1.010E 00	-1.242E-02	-1.248E-02	2.0	1.0
40.000	28.2211	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.260E-02	-1.248E-02	1.0	1.0
41.000	28.2080	0.08241	1.1E 00	1.504E-01	1.012E 00	1.011E 00	-1.399E-02	-1.[illegible]68E-02	3.0	1.0
42.000	28.1937	0.08236	1.0E 00	1.036E-01	1.013E 00	1.012E 00	-1.479E-02	-1.[illegible]68E-02	3.0	1.0
43.000	28.1789	0.08231	1.0E 00	8.006E-02	1.014E 00	1.013E 00	-1.524E-02	-1.568E-02	2.0	1.0
44.000	28.1637	0.08225	1.0E 00	7.899E-02	1.015E 00	1.014E 00	-1.551E-02	-1.568E-02	2.0	1.0
45.000	28.1484	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.568E-02	-1.567E-02	2.0	1.0
46.000	28.1320	0.08213	1.1E 00	2.081E-01	1.016E 00	1.015E 00	-1.756E-02	-1.993E-02	3.0	1.0
47.000	28.1142	0.08206	1.1E 00	1.403E-01	1.017E 00	1.016E 00	-1.865E-02	-1.993E-02	3.0	1.0
48.000	28.0955	0.08199	1.0E 00	1.12[illegible]E-01	1.018E 00	1.017E 00	-1.928E-02	-1.992E-02	3.0	1.0
49.000	28.0764	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.963E-02	-1.992E-02	2.0	1.0
50.000	28.0570	0.08185	1.0E 00	9.727E-02	1.020E 00	1.019E 00	-1.984E-02	-1.991E-02	2.0	1.0
51.000	28.0363	0.08177	1.1E 00	2.766E-01	1.021E 00	1.020E 00	-2.237E-02	-2.560E-02	3.0	1.0
52.000	28.0136	0.08169	1.1E 00	1.819E-01	1.022E 00	1.021E 00	-2.381E-02	-2.560E-02	3.0	1.0
53.000	27.9899	0.08161	1.1E 00	1.403E-01	1.023E 00	1.022E 00	-2.465E-02	-2.559E-02	3.0	1.0
54.000	27.9656	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.512E-02	-2.559E-02	2.0	1.0
55.000	27.9409	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.540E-02	-2.558E-02	2.0	1.0

56.000	27.9144	0.08135	1.1E 00	3.702E-01	1.027E 00	1.025E 00	-2.882E-02	-3.324E-02	3.0	1.0
57.000	27.8854	0.08125	1.1E 00	2.370E-01	1.028E 00	1.026E 00	-3.077E-02	-3.324E-02	3.0	1.0
58.000	27.8549	0.08115	1.1E 00	1.759E-01	1.029E 00	1.028E 00	-3.189E-02	-3.324E-02	3.0	1.0
59.000	27.8235	0.08105	1.1E 00	1.528E-01	1.031E 00	1.029E 00	-3.255E-02	-3.323E-02	3.0	1.0
60.000	27.7917	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.291E-02	-3.323E-02	2.0	1.0
61.000	27.7575	0.08085	1.1E 00	4.970E-01	1.033E 00	1.031E 00	-3.760E-02	-4.364E-02	3.0	1.0
62.000	27.7198	0.08073	1.1E 00	3.091E-01	1.035E 00	1.033E 00	-4.023E-02	-4.364E-02	3.0	1.0
63.000	27.6802	0.08062	1.1E 00	2.194E-01	1.036E 00	1.034E 00	-4.174E-02	-4.364E-02	3.0	1.0
64.000	27.6394	0.08051	1.1E 00	1.829E-01	1.038E 00	1.036E 00	-4.263E-02	-4.365E-02	3.0	1.0
65.000	27.5980	0.08039	1.1E 00	1.592E-01	1.040E 00	1.037E 00	-4.312E-02	-4.365E-02	2.0	1.0
66.000	27.5534	0.08028	1.2E 00	6.756E-01	1.041E 00	1.039E 00	-4.964E-02	-5.795E-02	3.0	1.0
67.000	27.5039	0.08015	1.1E 00	4.075E-01	1.043E 00	1.041E 00	-5.324E-02	-5.797E-02	3.0	1.0
68.000	27.4518	0.08002	1.1E 00	2.743E-01	1.044E 00	1.042E 00	-5.531E-02	-5.799E-02	3.0	1.0
69.000	27.3982	0.07990	1.1E 00	2.153E-01	1.046E 00	1.044E 00	-5.652E-02	-5.801E-02	3.0	1.0
70.000	27.3437	0.07977	1.1E 00	1.935E-01	1.048E 00	1.045E 00	-5.725E-02	-5.803E-02	3.0	1.0
71.000	27.2846	0.07964	1.2E 00	9.250E-01	1.050E 00	1.047E 00	-6.643E-02	-7.791E-02	3.0	1.0
72.000	27.2188	0.07951	1.1E 00	5.403E-01	1.051E 00	1.049E 00	-7.143E-02	-7.798E-02	3.0	1.0
73.000	27.1494	0.07939	1.1E 00	3.425E-01	1.053E 00	1.051E 00	-7.427E-02	-7.806E-02	3.0	1.0
74.000	27.0780	0.07927	1.1E 00	2.463E-01	1.054E 00	1.052E 00	-7.596E-02	-7.814E-02	3.0	1.0
75.000	27.0054	0.07915	1.1E 00	2.052E-01	1.056E 00	1.054E 00	-7.698E-02	-7.823E-02	3.0	1.0
76.000	26.9261	0.07902	1.2E 00	1.287C 00	1.057E 00	1.055E 00	-9.021E-02	-1.062E-01	3.0	1.0
77.000	26.8373	0.07891	1.2E 00	7.303E-01	1.059E 00	1.057E 00	-9.726E-02	-1.064E-01	3.0	1.0
78.000	26.7435	0.07881	1.1E 00	4.384F-01	1.060E 00	1.058E 00	-1.013E-01	-1.066E-01	3.0	1.0
79.000	26.6467	0.07872	1.1E 00	2.829E-01	1.061E 00	1.059E 00	-1.037E-01	-1.069E-01	3.0	1.0
80.000	26.5482	0.07863	1.1E 00	2.026E-01	1.062E 00	1.060E 00	-1.052E-01	-1.072E-01	3.0	1.0
81.000	26.4422	0.07855	1.2E 00	1.399E 00	1.063E 00	1.061E 00	-1.147E-01	-1.371E-01	3.0	1.0
82.000	26.3258	0.07849	1.2E 00	7.960E-01	1.063E 00	1.062E 00	-1.275E-01	-1.376E-01	3.0	1.0
83.000	26.2036	0.07845	1.1E 00	4.771F-01	1.063E 00	1.062E 00	-1.371E-01	-1.382E-01	3.0	1.0
84.000	26.0728	0.07845	1.2E 00	1.333E 00	1.062E 00	1.062E 00	-1.45HF-01	-1.625E-01	3.0	1.0
85.000	25.9319	0.07848	1.2E 00	7.805F-01	1.061E 00	1.061E 00	-1.535E-01	-1.634E-01	3.0	1.0
86.000	25.7788	0.07855	1.3E 00	1.697E 00	1.059E 00	1.060E 00	-1.715E-01	-1.925E-01	3.0	1.0
87.000	25.6122	0.07867	1.2E 00	1.005E 00	1.056E 00	1.058E 00	-1.814F-01	-1.939E-01	3.0	1.0
88.000	25.4377	0.07883	1.2E 00	6.658E-01	1.053E 00	1.056E 00	-1.875E-01	-1.954E-01	3.0	1.0
89.000	25.2503	0.07906	1.3E 00	1.891E 00	1.047E 00	1.052E 00	-2.076E-01	-2.304E-01	3.0	1.0
90.000	25.0471	0.07938	1.2E 00	1.184E 00	1.042E 00	1.048E 00	-2.190F-01	-2.328E-01	3.0	1.0
91.000	24.8249	0.07978	1.3E 00	2.374E 00	1.035E 00	1.042E 00	-2.452E-01	-2.731E-01	3.0	1.0
91.200	24.7775	0.01597	1.4E 00	2.643E 00	1.080E 00	1.046E 00	-2.492F-01	-2.777E-01	2.0	1.0
91.400	24.7296	0.01590	1.3E 00	2.291E 00	1.078E 00	1.050E 00	-2.527E-01	-2.787E-01	2.0	1.0
91.600	24.6813	0.01585	1.3E 00	1.992E 00	1.076E 00	1.053E 00	-2.559E-01	-2.797E-01	2.0	1.0
91.800	24.6325	0.01581	1.3E 00	1.739E 00	1.074E 00	1.055E 00	-2.587E-01	-2.807E-01	2.0	1.0
92.000	24.5832	0.01578	1.3E 00	1.527E 00	1.072E 00	1.057E 00	-2.613E-01	-2.818E-01	2.0	1.0
92.200	24.5336	0.01575	1.2E 00	1.350E 00	1.071E 00	1.059E 00	-2.636F-01	-2.828E-01	2.0	1.0
92.400	24.4836	0.01573	1.2E 00	1.204E 00	1.069E 00	1.060E 00	-2.659E-01	-2.839E-01	2.0	1.0
92.600	24.4333	0.01572	1.2E 00	1.087E 00	1.067E 00	1.061E 00	-2.679E-01	-2.849E-01	2.0	1.0
92.800	24.3822	0.01571	1.4E 00	2.550E 00	1.064E 00	1.061E 00	-2.737E-01	-3.160E-01	2.0	1.0
93.000	24.3302	0.01571	1.3E 00	2.318E 00	1.061E 00	1.061E 00	-2.788E-01	-3.175E-01	2.0	1.0
93.200	24.2772	0.01571	1.3E 00	2.130E 00	1.058E 00	1.061E 00	-2.835E-01	-3.189E-01	2.0	1.0
93.400	24.2233	0.01572	1.3E 00	1.979E 00	1.055E 00	1.060E 00	-2.877E-01	-3.204E-01	2.0	1.0
93.600	24.1686	0.01573	1.3E 00	1.860E 00	1.052E 00	1.059E 00	-2.916E-01	-3.220E-01	2.0	1.0
93.800	24.1130	0.01574	1.3E 00	2.442E 00	1.049E 00	1.058E 00	-2.970E-01	-3.367E-01	2.0	1.0
94.000	24.0564	0.01576	1.3E 00	2.289E 00	1.046E 00	1.057E 00	-3.019E-01	-3.384E-01	2.0	1.0
94.200	23.9988	0.01579	1.3E 00	2.169E 00	1.042E 00	1.055E 00	-3.064E-01	-3.402E-01	2.0	1.0
94.400	23.9402	0.01581	1.3E 00	2.387E 00	1.038E 00	1.053E 00	-3.113E-01	-3.482E-01	2.0	1.0
94.600	23.8805	0.01585	1.4E 00	2.490E 00	1.034E 00	1.051E 00	-3.165E-01	-3.546E-01	2.0	1.0
94.800	23.8197	0.01588	1.4E 00	2.609E 00	1.030E 00	1.048E 00	-3.220E-01	-3.615E-01	2.0	1.0
95.000	23.7576	0.01592	1.4E 00	2.699E 00	1.026E 00	1.046E 00	-3.276E-01	-3.680E-01	2.0	1.0
95.200	23.6944	0.01596	1.4E 00	2.583E 00	1.022E 00	1.043E 00	-3.327E-01	-3.702E-01	2.0	1.0
95.400	23.6299	0.01601	1.4E 00	2.796E 00	1.017E 00	1.039E 00	-3.384E-01	-3.791E-01	2.0	1.0
95.600	23.5642	0.01606	1.4E 00	2.689E 00	1.012E 00	1.036E 00	-3.437E-01	-3.816E-01	2.0	1.0
95.800	23.4971	0.01611	1.4E 00	2.982E 00	1.007E 00	1.033E 00	-3.498E-01	-3.924E-01	2.0	1.0
96.000	23.4287	0.01617	1.4E 00	2.872E 00	1.002E 00	1.029E 00	-3.555E-01	-3.952E-01	2.0	1.0
96.200	23.3589	0.01623	1.4E 00	2.786E 00	9.973E-01	1.025E 00	-3.608E-01	-3.979E-01	2.0	1.0
96.400	23.2877	0.01630	1.4E 00	3.252E 00	9.914E-01	1.021E 00	-3.675E-01	-4.128E-01	2.0	1.0
96.600	23.2150	0.01637	1.4E 00	3.138E 00	9.858E-01	1.016E 00	-3.737E-01	-4.159E-01	2.0	1.0
96.800	23.1407	0.01644	1.4E 00	3.048E 00	9.802E-01	1.012E 00	-3.795E-01	-4.191E-01	2.0	1.0
97.000	23.0649	0.01651	1.4E 00	2.978E 00	9.746E-01	1.007E 00	-3.850E-01	-4.224E-01	2.0	1.0

97.000	23.0649	0.01651	1.4E 00	2.978E 00	9.746E-01	1.007E 00	-3.850E-01	-4.224E-01	2.0	1.0
97.200	22.9878	0.01659	1.4E 00	2.924E 00	9.690E-01	1.002E 00	-3.902E-01	-4.257E-01	2.0	1.0
97.400	22.9091	0.01665	1.4E 00	2.896E 00	9.847E-01	9.998E-01	-3.969E-01	-4.425E-01	2.0	1.0
97.600	22.8289	0.01670	1.4E 00	2.957E 00	9.758E-01	9.967E-01	-4.035E-01	-4.473E-01	2.0	1.0
97.800	22.7472	0.01675	1.4E 00	3.046E 00	9.669E-01	9.929E-01	-4.100E-01	-4.533E-01	2.0	1.0
98.000	22.6637	0.01683	1.4E 00	3.147E 00	9.580E-01	9.883E-01	-4.164E-01	-4.588E-01	2.0	1.0
98.200	22.5786	0.01691	1.4E 00	3.251E 00	9.491E-01	9.831E-01	-4.228E-01	-4.644E-01	2.0	1.0
98.400	22.4915	0.01701	1.5E 00	3.791E 00	9.382E-01	9.770E-01	-4.306E-01	-4.798E-01	2.0	1.0
98.600	22.4023	0.01712	1.5E 00	3.872E 00	9.280E-01	9.702E-01	-4.383E-01	-4.863E-01	2.0	1.0
98.800	22.3108	0.01724	1.5E 00	3.950E 00	9.178E-01	9.629E-01	-4.459E-01	-4.930E-01	2.0	1.0
99.000	22.2170	0.01738	1.5E 00	4.023E 00	9.076E-01	9.551E-01	-4.535E-01	-4.998E-01	2.0	1.0
99.200	22.1209	0.01752	1.5E 00	4.089E 00	8.974E-01	9.469E-01	-4.611E-01	-5.068E-01	2.0	1.0
99.400	22.0222	0.01768	1.5E 00	4.226E 00	8.863E-01	9.382E-01	-4.690E-01	-5.153E-01	2.0	1.0
99.600	21.9209	0.01785	1.5E 00	4.296E 00	8.755E-01	9.290E-01	-4.769E-01	-5.230E-01	2.0	1.0
99.800	21.8166	0.01803	1.5E 00	4.290E 00	8.645E-01	9.195E-01	-4.846E-01	-5.286E-01	2.0	1.0
100.000	21.7100	0.01822	1.5E 00	4.363E 00	8.534E-01	9.096E-01	-4.924E-01	-5.368E-01	2.0	1.0
100.200	21.6003	0.01843	1.5E 00	4.424E 00	8.424E-01	8.995E-01	-5.004E-01	-5.452E-01	2.0	1.0
100.400	21.4875	0.01864	1.5E 00	4.283E 00	8.314E-01	8.892E-01	-5.085E-01	-5.476E-01	2.0	1.0
100.600	21.3718	0.01886	1.5E 00	4.355E 00	8.204E-01	8.786E-01	-5.151E-01	-5.565E-01	2.0	1.0
100.800	21.2532	0.01909	1.5E 00	4.093E 00	8.097E-01	8.680E-01	-5.212E-01	-5.543E-01	2.0	1.0
101.000	21.1315	0.01932	1.5E 00	4.173E 00	7.989E-01	8.572E-01	-5.278E-01	-5.634E-01	2.0	1.0
101.200	21.0068	0.01957	1.5E 00	4.240E 00	7.882E-01	8.463E-01	-5.350E-01	-5.727E-01	2.0	1.0
101.400	20.8790	0.01982	1.5E 00	3.832E 00	7.792E-01	8.356E-01	-5.397E-01	-5.649E-01	2.0	1.0
101.600	20.7470	0.02025	1.7E 00	7.154E 00	7.017E-01	8.109E-01	-5.470E-01	-5.790E-01	3.0	1.0
101.800	20.6094	0.02085	1.6E 00	6.555E 00	6.864E-01	7.878E-01	-5.525E-01	-5.764E-01	3.0	1.0
102.000	20.4665	0.02145	1.6E 00	6.142E 00	6.716E-01	7.660E-01	-5.581E-01	-5.825E-01	3.0	1.0
102.200	20.3181	0.02205	1.6E 00	5.698E 00	6.578E-01	7.455E-01	-5.632E-01	-5.845E-01	3.0	1.0
102.400	20.1645	0.02265	1.6E 00	5.268E 00	6.448E-01	7.263E-01	-5.673E-01	-5.849E-01	3.0	1.0
102.600	20.0058	0.02323	1.5E 00	4.899E 00	6.325E-01	7.083E-01	-5.713E-01	-5.876E-01	3.0	1.0
102.800	19.8427	0.02381	1.5E 00	4.420E 00	6.218E-01	6.916E-01	-5.704E-01	-5.664E-01	3.0	1.0
103.000	19.6732	0.02470	1.7E 00	7.608E 00	5.404E-01	6.578E-01	-5.729E-01	-5.817E-01	3.0	1.0
103.200	19.4950	0.02590	1.6E 00	6.428E 00	5.297E-01	6.291E-01	-5.737E-01	-5.762E-01	3.0	1.0
103.400	19.3073	0.02740	1.8E 00	8.313E 00	4.625E-01	5.874E-01	-5.679E-01	-5.502E-01	3.0	1.0
103.600	19.1084	0.02921	1.7E 00	6.628E 00	4.533E-01	5.537E-01	-5.670E-01	-5.644E-01	3.0	1.0
103.800	18.9013	0.03085	1.6E 00	5.911E 00	4.487E-01	5.267E-01	-5.521E-01	-5.089E-01	3.0	1.0
104.000	18.6843	0.03303	1.7E 00	7.596E 00	3.732E-01	4.825E-01	-5.425E-01	-5.186E-01	3.0	1.0
104.200	18.4525	0.03574	1.6E 00	5.489E 00	3.699E-01	4.502E-01	-5.385E-01	-5.283E-01	3.0	1.0
104.400	18.2090	0.03932	1.8E 00	9.254E 00	2.991E-01	3.975E-01	-4.936E-01	-4.096E-01	3.0	1.0
104.600	17.9584	0.04365	1.6E 00	5.904E 00	3.068E-01	3.662E-01	-4.633E-01	-4.057E-01	3.0	1.0
104.800	17.6969	0.04826	1.6E 00	5.870E 00	2.546E-01	3.245E-01	-4.400E-01	-4.007E-01	3.0	1.0
104.941	17.5000	0.03802	1.6E 00	5.675E 00	2.198E-01	2.925E-01	-4.231E-01	-3.844E-01	6.0	-1.0
105.106	17.2500	0.05046	1.6E 00	5.265E 00	1.907E-01	2.538E-01	-4.027E-01	-3.694E-01	3.0	-1.0
105.273	17.0000	0.05955	1.8E 00	9.855E 00	1.695E-01	2.124E-01	-2.970E-01	-1.875E-01	4.0	-1.0
105.463	16.7500	0.08075	1.6E 00	6.137E 00	1.540E-01	1.796E-01	-2.191E-01	-1.579E-01	4.0	-1.0
105.688	16.5000	0.11074	1.5E 00	3.831E 00	1.484E-01	1.593E-01	-1.572E-01	-1.236E-01	4.0	-1.0
105.827	16.3750	0.07289	1.4E 00	2.724E 00	1.572E-01	1.583E-01	-1.286E-01	-9.472E-02	4.0	-1.0
106.007	16.2500	0.09141	1.3E 00	2.463E 00	1.812E-01	1.706E-01	-9.926E-02	-7.371E-02	4.0	-1.0
106.074	16.2188	0.03221	1.7E 00	6.655E 00	1.921E-01	1.765E-01	-6.243E-02	3.551E-02	4.0	-1.0
106.119	16.2051	0.02121	1.6E 00	5.101E 00	1.921E-01	1.793E-01	-4.498E-02	3.549E-02	3.0	-1.0
106.184	16.1923	0.02997	1.5E 00	4.065E 00	1.921E-01	1.822E-01	-2.629E-02	3.548E-02	3.0	-1.0
106.384	16.1818	0.09394	1.4E 00	2.629E 00	1.647E-01	1.726E-01	7.676E-03	3.547E-02	4.0	1.0
106.584	16.2002	0.10091	1.3E 00	1.585E 00	1.455E-01	1.578E-01	2.278E-02	3.546E-02	3.0	1.0
106.784	16.2358	0.11219	1.2E 00	1.356E 00	1.263E-01	1.394E-01	3.007E-02	3.548E-02	4.0	1.0
106.984	16.2850	0.12916	1.2E 00	1.253E 00	1.071E-01	1.187E-01	3.340E-02	3.551E-02	3.0	1.0
107.184	16.3206	0.08942	1.7E 00	8.218E 00	3.319E-01	2.540E-01	3.290E-02	3.278E-02	4.0	1.0
107.384	16.3440	0.06052	1.5E 00	4.447E 00	3.541E-01	2.967E-01	3.158E-02	2.999E-02	3.0	1.0
107.584	16.3638	0.05348	1.4E 00	3.657E 00	3.763E-01	3.265E-01	3.022E-02	2.816E-02	3.0	1.0
107.784	16.3812	0.04917	1.4E 00	3.371E 00	3.986E-01	3.514E-01	2.890E-02	2.660E-02	3.0	1.0
107.984	16.3968	0.04596	1.4E 00	3.289E 00	4.208E-01	3.739E-01	2.764E-02	2.524E-02	3.0	1.0
108.184	16.4109	0.04333	1.4E 00	3.304E 00	4.431E-01	3.953E-01	2.646E-02	2.402E-02	3.0	1.0
108.384	16.4280	0.04253	1.4E 00	2.567E 00	3.720E-01	3.885E-01	4.042E-02	7.430E-02	3.0	1.0
108.584	16.4521	0.04396	1.4E 00	3.278E 00	3.286E-01	3.698E-01	5.095E-02	7.430E-02	3.0	1.0
108.784	16.4830	0.04691	1.5E 00	4.102E 00	2.853E-01	3.408E-01	5.888E-02	7.430E-02	3.0	1.0
108.984	16.5213	0.05174	1.5E 00	4.581E 00	2.419E-01	3.034E-01	6.464E-02	7.430E-02	3.0	1.0
109.184	16.5593	0.04767	1.8E 00	9.978E 00	5.262E-01	3.958E-01	6.826E-02	7.352E-02	3.0	1.0
109.384	16.5921	0.03970	1.7E 00	6.886E 00	5.417E-01	4.439E-01	6.948E-02	7.214E-02	3.0	1.0
109.584	16.6224	0.03628	1.6E 00	5.475E 00	5.573E-01	4.768E-01	6.985E-02	7.095E-02	3.0	1.0

109.784	16.6509	0.03404	1.5E 00	4.697E 00	5.728E-01	5.025E-01	6.980E-02	6.984E-02	3.0	1.0
109.984	16.6781	0.03247	1.5E 00	4.240E 00	5.884E-01	5.241E-01	6.950E-02	6.[illegible]E-02	3.0	1.0
110.184	16.7040	0.03123	1.5E 00	3.965E 00	6.039E-01	5.433E-01	6.904E-02	6.782E-02	3.0	1.0
111.184	16.8404	0.15478	1.2E 00	7.067E-01	5.292E-01	5.335E-01	7.782E-02	8.191E-02	4.0	1.0
112.184	17.0015	0.16990	1.4E 00	3.373E 00	4.307E-01	4.475E-01	8.019E-02	8.086E-02	4.0	1.0
113.184	17.2038	0.21205	1.4E 00	3.414E 00	3.329E-01	3.385E-01	7.882E-02	7.894E-02	4.0	1.0
113.422	17.2500	0.04981	1.9E 00	1.159E 01	6.024E-01	4.559E-01	7.577E-02	7.213E-02	6.0	-1.0
113.853	17.3896	0.15757	1.6E 00	6.179E 00	2.372E-01	2.372E-01	7.186E-02	7.143E-02	7.0	1.0
114.853	17.5313	0.16991	2.0E 00	1.386E 01	7.277E-01	7.277E-01	6.719E-02	6.742E-02	2.0	1.0
115.853	17.6210	0.11321	1.2E 00	1.161E 00	7.565E-01	7.444E-01	6.477E-02	6.327E-02	3.0	1.0
116.853	17.7049	0.11022	1.3E 00	1.588E 00	7.841E-01	7.676E-01	6.213E-02	6.049E-02	3.0	1.0
117.853	17.7875	0.10759	1.2E 00	1.049E 00	7.924E-01	7.814E-01	6.586E-02	6.908E-02	3.0	1.0
118.853	17.8716	0.10559	1.2E 00	1.163E 00	8.098E-01	7.971E-01	6.677E-02	6.776E-02	3.0	1.0
119.853	17.9543	0.10357	1.2E 00	1.131E 00	8.246E-01	8.121E-01	6.633E-02	6.620E-02	3.0	1.0
120.853	18.0346	0.10170	1.2E 00	1.132E 00	8.395E-01	8.248E-01	6.531E-02	6.467E-02	3.0	1.0
121.853	18.1126	0.10015	1.2E 00	8.607E-01	8.473E-01	8.375E-01	6.444E-02	6.389E-02	3.0	1.0
122.853	18.1885	0.09892	1.2E 00	8.212E-01	8.570E-01	8.475E-01	6.351E-02	6.289E-02	3.0	1.0
123.853	18.2625	0.09777	1.2E 00	8.084E-01	8.666E-01	8.572E-01	6.258E-02	6.192E-02	3.0	1.0
124.853	18.3345	0.09667	1.2E 00	8.071E-01	8.763E-01	8.668E-01	6.164E-02	6.098E-02	3.0	1.0
125.853	18.4064	0.10150	1.6E 00	5.447E 00	7.253E-01	7.752E-01	5.635E-02	5.365E-02	3.0	1.0
126.853	18.4833	0.11595	1.6E 00	5.785E 00	5.162E-01	6.622E-01	5.430E-02	5.365E-02	4.0	1.0
127.853	18.5731	0.13856	1.6E 00	5.316E 00	5.070E-01	5.406E-01	5.368E-02	5.365E-02	4.0	1.0
128.853	18.6508	0.12130	1.9E 00	1.181E 01	8.960E-01	8.334E-01	5.308E-02	5.311E-02	4.0	1.0
129.853	18.7128	0.09772	1.4E 00	2.738E 00	9.014E-01	8.721E-01	5.265E-02	5.254E-02	3.0	1.0
130.853	18.7723	0.09457	1.2E 00	1.448E 00	9.068E-01	8.901E-01	5.224E-02	5.209E-02	3.0	1.0
131.853	18.8304	0.09305	1.2E 00	9.366E-01	9.122E-01	9.011E-01	5.182E-02	5.165E-02	3.0	1.0
132.853	18.8874	0.09208	1.2E 00	7.086E-01	9.176E-01	9.090E-01	5.141E-02	5.123E-02	3.0	1.0
133.853	18.9408	0.09139	1.2E 00	6.908E-01	9.206E-01	9.146E-01	4.592E-02	4.018E-02	3.0	1.0
134.853	18.9893	0.09089	1.1E 00	4.857E-01	9.243E-01	9.191E-01	4.312E-02	4.018E-02	3.0	1.0
135.853	19.0353	0.09047	1.1E 00	4.026E-01	9.279E-01	9.231E-01	4.164E-02	4.018E-02	3.0	1.0
136.853	19.0799	0.09010	1.1E 00	3.444E-01	9.309E-01	9.267E-01	4.076E-02	3.998E-02	3.0	1.0
137.853	19.1235	0.08976	1.1E 00	3.446E-01	9.345E-01	9.302E-01	4.017E-02	3.973E-02	3.0	1.0
138.853	19.1664	0.08943	1.1E 00	3.145E-01	9.381E-01	9.335E-01	3.978E-02	3.948E-02	2.0	1.0
139.853	19.2087	0.08911	1.1E 00	3.296E-01	9.418E-01	9.369E-01	3.945E-02	3.924E-02	2.0	1.0
140.853	19.2506	0.08878	1.1E 00	3.389E-01	9.454E-01	9.403E-01	3.915E-02	3.900E-02	2.0	1.0

-0. 29.00000 1.00000 -0.

XNN1	YNN1	DTN	CK	REN	VDX	VOXNN1	VOYNN1	VDY	XRT	DIRECT
1.000	28.9990	0.08339	1.1E 00	2.412E-01	9.963E-01	9.985E-01	-1.910E-03	-4.623E-03	2.0	1.0
2.000	28.9963	0.08350	1.1E 00	1.911E-01	9.965E-01	9.975E-01	-3.499E-03	-4.623E-03	1.0	1.0
3.000	28.9925	0.08356	1.0E 00	7.434E-02	9.968E-01	9.971E-01	-4.226E-03	-4.622E-03	1.0	1.0
4.000	28.9880	0.08358	1.0E 00	2.270E-02	9.970E-01	9.971E-01	-4.574E-03	-4.622E-03	1.0	1.0
5.000	28.9834	0.08357	1.0E 00	1.316E-02	9.973E-01	9.972E-01	-4.745E-03	-4.622E-03	1.0	1.0
6.000	28.9785	0.08356	1.0E 00	2.219E-02	9.976E-01	9.974E-01	-4.939E-03	-4.838E-03	1.0	1.0
7.000	28.9735	0.08354	1.0E 00	2.682E-02	9.978E-01	9.976E-01	-4.984E-03	-4.837E-03	1.0	1.0
8.000	28.9685	0.08352	1.0E 00	2.965E-02	9.981E-01	9.979E-01	-4.984E-03	-4.837E-03	1.0	1.0
9.000	28.9636	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-4.984E-03	-4.836E-03	1.0	1.0
10.000	28.9586	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-4.984E-03	-4.836E-03	1.0	1.0
11.000	28.9534	0.08345	1.0E 00	3.520E-02	9.990E-01	9.987E-01	-5.281E-03	-5.279E-03	1.0	1.0
12.000	28.9481	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.426E-03	-5.279E-03	1.0	1.0
13.000	28.9426	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.426E-03	-5.278E-03	1.0	1.0
14.000	28.9372	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.426E-03	-5.277E-03	1.0	1.0
15.000	28.9318	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.426E-03	-5.277E-03	1.0	1.0
16.000	28.9261	0.08333	1.0E 00	4.614E-02	1.000E 00	1.000E 00	-5.853E-03	-5.976E-03	1.0	1.0
17.000	28.9202	0.08331	1.0E 00	3.619E-02	1.001E 00	1.000E 00	-6.062E-03	-5.975E-03	1.0	1.0
18.000	28.9141	0.08328	1.0E 00	3.664E-02	1.001E 00	1.001E 00	-6.121E-03	-5.975E-03	1.0	1.0
19.000	28.9080	0.08325	1.0E 00	3.763E-02	1.001E 00	1.001E 00	-6.121E-03	-5.974E-03	1.0	1.0
20.000	28.9019	0.08322	1.0E 00	3.782E-02	1.002E 00	1.001E 00	-6.121E-03	-5.973E-03	1.0	1.0
21.000	28.8955	0.08320	1.0E 00	6.153E-02	1.002E 00	1.002E 00	-6.704E-03	-6.973E-03	1.0	1.0
22.000	28.8886	0.08317	1.0E 00	4.307E-02	1.003E 00	1.002E 00	-6.986E-03	-6.972E-03	1.0	1.0
23.000	28.8816	0.08314	1.0E 00	4.143E-02	1.003E 00	1.003E 00	-7.117E-03	-6.971E-03	1.0	1.0
24.000	28.8745	0.08310	1.0E 00	4.279E-02	1.003E 00	1.003E 00	-7.117E-03	-6.970E-03	1.0	1.0
25.000	28.8674	0.08307	1.0E 00	4.307E-02	1.004E 00	1.003E 00	-7.117E-03	-6.969E-03	1.0	1.0
26.000	28.8599	0.08304	1.0E 00	8.185E-02	1.004E 00	1.004E 00	-7.891E-03	-8.[illegible]	1.0	1.0
27.000	28.8519	0.08301	1.0E 00	5.309E-02	1.005E 00	1.004E 00	-8.263E-03	-8.[illegible]03	1.0	1.0
28.000	28.8436	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.445E-03	-8.336E-03	1.0	1.0
29.000	28.8351	0.08294	1.0E 00	4.942E-02	1.005E 00	1.005E 00	-8.479E-03	-8.333E-03	1.0	1.0

27.000	28.8519	0.08301	1.0E 00	5.309E-02	1.005E 00	1.004E 00	-7.891E-03	-8.[illegible]	[illegible]	[illegible]
28.000	28.8436	0.08297	1.0E 00	4.840E-02	1.005E 00	1.005E 00	-8.263E-03	-8.[illegible]03	[illegible]	[illegible]
29.000	28.8351	0.08294	1.0E 00	4.942E-02	1.005E 00	1.005E 00	-8.445E-03	-8.336E-03	1.0	1.0
30.000	28.8267	0.08290	1.0E 00	5.009E-02	1.006E 00	1.005E 00	-8.479E-03	-8.332E-03	1.0	1.0
31.000	28.8178	0.08286	1.0E 00	1.083E-01	1.006E 00	1.006E 00	-9.495E-03	-1.016E-02	1.0	1.0
32.000	28.8081	0.08282	1.0E 00	6.673E-02	1.007E 00	1.006E 00	-9.961E-03	-1.016E-02	1.0	1.0
33.000	28.7981	0.08278	1.0E 00	5.792E-02	1.007E 00	1.007E 00	-1.022E-02	-1.016E-02	1.0	1.0
34.000	28.7879	0.08274	1.0E 00	5.817E-02	1.008E 00	1.007E 00	-1.030E-02	-1.016E-02	1.0	1.0
35.000	28.7776	0.08269	1.0E 00	5.918E-02	1.009E 00	1.008E 00	-1.030E-02	-1.016E-02	1.0	1.0
36.000	28.7669	0.08265	1.0E 00	1.106E-01	1.009E 00	1.008E 00	-1.135E-02	-1.258E-02	3.0	1.0
37.000	28.7553	0.08261	1.0E 00	7.768E-02	1.010E 00	1.009E 00	-1.197E-02	-1.258E-02	3.0	1.0
38.000	28.7433	0.08257	1.0E 00	6.264E-02	1.010E 00	1.010E 00	-1.231E-02	-1.258E-02	2.0	1.0
39.000	28.7310	0.08253	1.0E 00	6.382E-02	1.011E 00	1.010E 00	-1.252E-02	-1.258E-02	2.0	1.0
40.000	28.7186	0.08247	1.0E 00	8.911E-02	1.012E 00	1.011E 00	-1.269E-02	-1.257E-02	1.0	1.0
41.000	28.7053	0.08241	1.1E 00	1.507E-01	1.012E 00	1.011E 00	-1.408E-02	-1.579E-02	3.0	1.0
42.000	28.6910	0.08236	1.0E 00	1.037E-01	1.013E 00	1.012E 00	-1.489E-02	-1.578E-02	3.0	1.0
43.000	28.6761	0.08231	1.0E 00	8.011E-02	1.014E 00	1.013E 00	-1.534E-02	-1.578E-02	2.0	1.0
44.000	28.6608	0.08225	1.0E 00	7.900E-02	1.015E 00	1.014E 00	-1.561E-02	-1.578E-02	2.0	1.0
45.000	28.6453	0.08219	1.0E 00	8.067E-02	1.015E 00	1.014E 00	-1.578E-02	-1.577E-02	2.0	1.0
46.000	28.6288	0.08213	1.1E 00	2.082E-01	1.016E 00	1.015E 00	-1.766E-02	-2.003E-02	3.0	1.0
47.000	28.6109	0.08206	1.1E 00	1.404E-01	1.017E 00	1.016E 00	-1.875E-02	-2.003E-02	3.0	1.0
48.000	28.5921	0.08199	1.0E 00	1.121E-01	1.018E 00	1.017E 00	-1.938E-02	-2.003E-02	3.0	1.0
49.000	28.5729	0.08192	1.0E 00	9.593E-02	1.019E 00	1.018E 00	-1.973E-02	-2.002E-02	2.0	1.0
50.000	28.5534	0.08185	1.0E 00	9.727E-02	1.020E 00	1.019E 00	-1.995E-02	-2.002E-02	2.0	1.0
51.000	28.5326	0.08177	1.1E 00	2.762E-01	1.021E 00	1.020E 00	-2.247E-02	-2.570E-02	3.0	1.0
52.000	28.5099	0.08169	1.1E 00	1.817E-01	1.022E 00	1.021E 00	-2.391E-02	-2.569E-02	3.0	1.0
53.000	28.4861	0.08161	1.1E 00	1.402E-01	1.023E 00	1.022E 00	-2.475E-02	-2.569E-02	3.0	1.0
54.000	28.4616	0.08152	1.1E 00	1.170E-01	1.024E 00	1.023E 00	-2.521E-02	-2.568E-02	2.0	1.0
55.000	28.4368	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.549E-02	-2.568E-02	2.0	1.0
56.000	28.4103	0.08135	1.1E 00	3.687E-01	1.027E 00	1.025E 00	-2.890E-02	-3.330E-02	3.0	1.0
57.000	28.3812	0.08125	1.1E 00	2.363E-01	1.028E 00	1.026E 00	-3.083E-02	-3.330E-02	3.0	1.0
58.000	28.3506	0.08115	1.1E 00	1.756E-01	1.029E 00	1.028E 00	-3.196E-02	-3.329E-02	3.0	1.0
59.000	28.3192	0.08105	1.1E 00	1.527E-01	1.031E 00	1.029E 00	-3.261E-02	-3.329E-02	3.0	1.0
60.000	28.2873	0.08095	1.1E 00	1.361E-01	1.032E 00	1.030E 00	-3.297E-02	-3.329E-02	2.0	1.0
61.000	28.2531	0.08085	1.1E 00	4.933E-01	1.033E 00	1.031E 00	-3.762E-02	-4.361E-02	3.0	1.0
62.000	28.2154	0.08073	1.1E 00	3.073E-01	1.035E 00	1.033E 00	-4.023E-02	-4.361E-02	3.0	1.0
63.000	28.1757	0.08062	1.1E 00	2.186E-01	1.036E 00	1.034E 00	-4.173E-02	-4.361E-02	3.0	1.0
64.000	28.1350	0.08051	1.1E 00	1.826E-01	1.038E 00	1.036E 00	-4.261E-02	-4.362E-02	3.0	1.0
65.000	28.0937	0.08039	1.1E 00	1.591E-01	1.040E 00	1.037E 00	-4.310E-02	-4.362E-02	2.0	1.0
66.000	28.0491	0.08028	1.2E 00	6.676E-01	1.041E 00	1.039E 00	-4.953E-02	-5.773E-02	3.0	1.0
67.000	27.9997	0.08015	1.1E 00	4.034E-01	1.043E 00	1.041E 00	-5.309E-02	-5.775E-02	3.0	1.0
68.000	27.9478	0.08002	1.1E 00	2.723E-01	1.044E 00	1.042E 00	-5.513E-02	-5.778E-02	3.0	1.0
69.000	27.8943	0.07990	1.1E 00	2.145E-01	1.046E 00	1.044E 00	-5.633E-02	-5.780E-02	3.0	1.0
70.000	27.8401	0.07977	1.1E 00	1.932E-01	1.048E 00	1.045E 00	-5.704E-02	-5.782E-02	3.0	1.0
71.000	27.7812	0.07964	1.2E 00	9.088E-01	1.050E 00	1.047E 00	-6.605E-02	-7.733E-02	3.0	1.0
72.000	27.7159	0.07951	1.1E 00	5.319E-01	1.051E 00	1.049E 00	-7.095E-02	-7.740E-02	3.0	1.0
73.000	27.6470	0.07939	1.1E 00	3.382E-01	1.053E 00	1.0[illegible] 00	-7.375E-02	-7.747E-02	3.0	1.0
74.000	27.5760	0.07927	1.1E 00	2.444E-01	1.054E 00	1.052E 00	-7.541E-02	-7.755E-02	3.0	1.0
75.000	27.5039	0.07915	1.1E 00	2.045E-01	1.056E 00	1.054E 00	-7.642E-02	-7.764E-02	3.0	1.0
76.000	27.4253	0.07902	1.2E 00	1.255E 00	1.057E 00	1.055E 00	-8.927E-02	-1.049E-01	3.0	1.0
77.000	27.3376	0.07891	1.2E 00	7.138E-01	1.059E 00	1.057E 00	-9.615E-02	-1.051E-01	3.0	1.0
78.000	27.2448	0.07881	1.1E 00	4.295E-01	1.060E 00	1.058E 00	-1.001E-01	-1.053E-01	3.0	1.0
79.000	27.1492	0.07872	1.1E 00	2.781E-01	1.061E 00	1.059E 00	-1.024E-01	-1.056E-01	3.0	1.0
80.000	27.0518	0.07863	1.1E 00	2.002E-01	1.062E 00	1.060E 00	-1.039E-01	-1.058E-01	3.0	1.0
81.000	26.9473	0.07855	1.2E 00	1.351E 00	1.063E 00	1.061E 00	-1.178E-01	-1.347E-01	3.0	1.0
82.000	26.8328	0.07849	1.2E 00	7.711E-01	1.063E 00	1.062E 00	-1.254E-01	-1.352E-01	3.0	1.0
83.000	26.7127	0.07845	1.1E 00	4.630E-01	1.063E 00	1.062E 00	-1.298E-01	-1.358E-01	3.0	1.0
84.000	26.5842	0.07845	1.2E 00	1.282E 00	1.062E 00	1.062E 00	-1.430E-01	-1.591E-01	3.0	1.0
85.000	26.4461	0.07848	1.2E 00	7.535E-01	1.061E 00	1.061E 00	-1.504E-01	-1.600E-01	3.0	1.0
86.000	26.2963	0.07855	1.3E 00	1.625E 00	1.059E 00	1.060E 00	-1.675E-01	-1.876E-01	3.0	1.0
87.000	26.1336	0.07867	1.2E 00	9.675E-01	1.056E 00	1.058E 00	-1.770E-01	-1.890E-01	3.0	1.0
88.000	25.9634	0.07883	1.1E 00	6.455E-01	1.053E 00	1.056E 00	-1.829E-01	-1.906E-01	3.0	1.0
89.000	25.7809	0.07906	1.3E 00	1.803E 00	1.047E 00	1.052E 00	-2.019E-01	-2.237E-01	3.0	1.0
90.000	25.5833	0.07938	1.2E 00	1.141E 00	1.042E 00	1.048E 00	-2.128E-01	-2.260E-01	3.0	1.0
91.000	25.3679	0.07978	1.3E 00	2.256E 00	1.035E 00	1.042E 00	-2.374E-01	-2.639E-01	3.0	1.0
91.200	25.3219	0.01601	1.3E 00	1.719E 00	1.030E 00	1.040E 00	-2.409E-01	-2.676E-01	2.0	1.0
91.400	25.2753	0.01603	1.3E 00	1.596E 00	1.028E 00	1.039E 00	-2.440E-01	-2.684E-01	2.0	1.0
91.600	25.2280	0.01605	1.3E 00	1.492E 00	1.026E 00	1.037E 00	-2.469E-01	-2.692E-01	2.0	1.0
91.800	25.1801	0.01608	1.2E 00	1.404E 00	1.025E 00	1.036E 00	-2.495E-01	-2.700E-01	2.0	1.0

[illegible]	[illegible]	0.01608	1.2E 00	1.404E 00	1.025E 00	1.036E 00	-2.495E-01	-2.700E-01	2.0	1.0

92.000	25.1316	0.01610	1.2E 00	1.331E 00	1.023E 00	1.035E 00	-2.519E-01	-2.708E-01	2.0	1.0
92.200	25.0827	0.01612	1.2E 00	1.269E 00	1.021E 00	1.033E 00	-2.541E-01	-2.717E-01	2.0	1.0
92.400	25.0333	0.01615	1.2E 00	1.217E 00	1.019E 00	1.032E 00	-2.562E-01	-2.725E-01	2.0	1.0
92.600	24.9834	0.01617	1.2E 00	1.174E 00	1.018E 00	1.030E 00	-2.581E-01	-2.734E-01	2.0	1.0
92.800	24.9328	0.01615	1.4E 00	2.866E 00	1.064E 00	1.034E 00	-2.634E-01	-3.005E-01	2.0	1.0
93.000	24.8815	0.01609	1.4E 00	2.482E 00	1.061E 00	1.038E 00	-2.681E-01	-3.019E-01	2.0	1.0
93.200	24.8295	0.01605	1.3E 00	2.166E 00	1.058E 00	1.040E 00	-2.723E-01	-3.034E-01	2.0	1.0
93.400	24.7768	0.01601	1.3E 00	1.908E 00	1.055E 00	1.042E 00	-2.761E-01	-3.048E-01	2.0	1.0
93.600	24.7235	0.01599	1.3E 00	1.701E 00	1.052E 00	1.043E 00	-2.795E-01	-3.063E-01	2.0	1.0
93.800	24.6695	0.01597	1.3E 00	2.122E 00	1.049E 00	1.044E 00	-2.842E-01	-3.192E-01	2.0	1.0
94.000	24.6146	0.01597	1.3E 00	1.944E 00	1.046E 00	1.044E 00	-2.885E-01	-3.209E-01	2.0	1.0
94.200	24.5590	0.01597	1.3E 00	1.811E 00	1.042E 00	1.044E 00	-2.924E-01	-3.226E-01	2.0	1.0
94.400	24.5025	0.01597	1.3E 00	1.994E 00	1.038C 00	1.043E 00	-2.968E-01	-3.297E-01	2.0	1.0
94.600	24.4451	0.01599	1.3E 00	2.093E 00	1.034E 00	1.042E 00	-3.014E-01	-3.354E-01	2.0	1.0
94.800	24.3868	0.01600	1.3E 00	2.211E 00	1.030E 00	1.041E 00	-3.061E-01	-3.415E-01	2.0	1.0
95.000	24.3274	0.01603	1.3E 00	2.306E 00	1.026C 00	1.039E 00	-3.110E-01	-3.472E-01	2.0	1.0
95.200	24.2670	0.01606	1.3E 00	2.223E 00	1.022C 00	1.037E 00	-3.156E-01	-3.494E-01	2.0	1.0
95.400	24.2056	0.01609	1.3E 00	2.432C 00	1.017E 00	1.034E 00	-3.207E-01	-3.571E-01	2.0	1.0
95.600	24.1431	0.01613	1.3E 00	2.361E 00	1.012E 00	1.032E 00	-3.253E-01	-3.595E-01	2.0	1.0
95.800	24.0794	0.01618	1.4E 00	2.636E 00	1.007E 00	1.029E 00	-3.307E-01	-3.689E-01	2.0	1.0
96.000	24.0145	0.01623	1.4E 00	2.565E 00	1.002E 00	1.026E 00	-3.357E-01	-3.715E-01	2.0	1.0
96.200	23.9485	0.01628	1.4E 00	2.514E 00	9.973E-01	1.022E 00	-3.405E-01	-3.741E-01	2.0	1.0
96.400	23.8811	0.01634	1.4E 00	2.928E 00	9.914E-01	1.018E 00	-3.463E-01	-3.869E-01	2.0	1.0
96.600	23.8124	0.01640	1.4E 00	2.855E 00	9.858E-01	1.014E 00	-3.518E-01	-3.899E-01	2.0	1.0
96.800	23.7424	0.01647	1.4E 00	2.801E 00	9.802E-01	1.010E 00	-3.570E-01	-3.929E-01	2.0	1.0
97.000	23.6710	0.01654	1.4E 00	2.761E 00	9.746E-01	1.007E 00	-3.620E-01	-3.960E-01	2.0	1.0
97.200	23.5984	0.01661	1.4E 00	2.734E 00	9.690E-01	1.003E 00	-3.667E-01	-3.991E-01	2.0	1.0
97.400	23.5243	0.01669	1.4E 00	3.160E 00	9.624E-01	9.9[illegible]E-01	-3.727E-01	-4.130E-01	2.0	1.0
97.600	23.4487	0.01678	1.4E 00	3.104E 00	9.561E-01	9.906E-01	-3.785E-01	-4.166E-01	2.0	1.0
97.800	23.3715	0.01687	1.4E 00	3.063E 00	9.498E-01	9.853E-01	-3.839E-01	-4.202E-01	2.0	1.0
98.000	23.2928	0.01696	1.4E 00	3.033E 00	9.435E-01	9.798E-01	-3.892E-01	-4.239E-01	2.0	1.0
98.200	23.2127	0.01706	1.4E 00	3.010E 00	9.372E-01	9.742E-01	-3.943E-01	-4.277E-01	2.0	1.0
98.400	23.1309	0.01716	1.4E 00	3.231E 00	9.301E-01	9.683E-01	-4.001E-01	-4.375E-01	2.0	1.0
98.600	[illegible].0474	0.01727	1.4E 00	3.205E 00	9.233E-01	9.623E-01	-4.057E-01	-4.416E-01	2.0	1.0
98.800	[illegible].9622	0.01738	1.4E 00	3.185E 00	9.165E-01	9.561E-01	-4.112E-01	-4.459E-01	2.0	1.0
99.000	[illegible]8753	0.01749	1.4E 00	3.282E 00	9.076E-01	9.495E-01	-4.166E-01	-4.511E-01	2.0	1.0
99.200	[illegible]7866	0.01762	1.4E 00	3.456E 00	8.974E-01	9.422E-01	-4.223E-01	-4.576E-01	2.0	1.0
99.400	22.[illegible]960	0.01776	1.4E 00	3.618E 00	8.863E-01	9.344E-01	-4.282E-01	-4.635E-01	2.0	1.0
99.600	22.6033	0.01792	1.5E 00	3.773E 00	8.755E-01	9.259E-01	-4.343E-01	-4.705E-01	2.0	1.0
99.800	22.5084	0.01809	1.5E 00	3.827E 00	8.645E-01	9.170E-01	-4.402E-01	-4.748E-01	2.0	1.0
100.000	22.4112	0.01827	1.5E 00	3.959E 00	8.534E-01	9.077E-01	-4.464E-01	-4.823E-01	2.0	1.0
100.200	22.3116	0.01846	1.5E 00	4.067E 00	8.424C-01	8.980E-01	-4.529E-01	-4.900E-01	2.0	1.0
100.400	22.2095	0.01866	1.5E 00	3.990E 00	8.314E-01	8.880C-01	-4.588E-01	-4.918E-01	2.0	1.0
100.600	22.1049	0.01888	1.5E 00	4.087E 00	8.204E-01	8.777E-01	-4.650E-01	-4.998E-01	2.0	1.0
100.800	21.9977	0.01910	1.5E 00	3.909E 00	8.097E-01	8.673E-01	-4.701E-01	-4.980E-01	2.0	1.0
101.000	21.8880	0.01933	1.5E 00	3.993E 00	7.989E-01	8.567E-01	-4.757E-01	-5.063E-01	2.0	1.0
101.200	21.7755	0.01958	1.5E 00	4.042E 00	7.882E-01	8.460E-01	-4.819E-01	-5.147E-01	2.0	1.0
101.400	21.6604	0.01983	1.5E 00	3.751E 00	7.782E-01	8.353E-01	-4.861E-01	-5.085E-01	2.0	1.0
101.600	21.5426	0.02008	1.5E 00	3.812E 00	7.680E-01	8.246E-01	-4.910E-01	-5.169E-01	2.0	1.0
101.800	21.4224	0.02034	1.4E 00	3.574E 00	7.583E-01	8.141E-01	-4.943E-01	-5.115E-01	2.0	1.0
102.000	21.2998	0.02060	1.4E 00	3.493E 00	7.489E-01	8.036E-01	-4.974E-01	-5.133E-01	2.0	1.0
102.200	21.1749	0.02087	1.4E 00	3.361E 00	7.399E-01	7.934E-01	-4.998E-01	-5.121E-01	2.0	1.0
102.400	21.0479	0.02114	1.4E 00	3.228E 00	7.314E-01	7.834E-01	-5.014E-01	-5.098E-01	2.0	1.0
102.600	20.9189	0.02141	1.4E 00	3.116E 00	7.232E-01	7.736E-01	-5.028E-01	-5.094E-01	2.0	1.0
102.800	20.7865	0.02198	1.7E 00	7.717E 00	6.218E-01	7.429E-01	-5.010E-01	-4.941E-01	3.0	1.0
103.000	20.6491	0.02284	1.7E 00	6.691E 00	6.112E-01	7.162E-01	-5.018E-01	-5.046E-01	3.0	1.0
103.200	20.5067	0.02365	1.6E 00	5.802E 00	6.020E-01	6.931E-01	-5.016E-01	-5.004E-01	3.0	1.0
103.400	20.3604	0.02440	1.6E 00	5.078E 00	5.950E-01	6.733E-01	-4.977E-01	-4.824E-01	3.0	1.0
103.600	20.2108	0.02508	1.5E 00	4.38[illegible] 00	5.871E-01	6.559E-01	-4.965E-01	-4.916E-01	3.0	1.0
103.800	20.0590	0.02571	1.5E 00	4.325E 00	5.817E-01	6.406E-01	-4.879E-01	-4.544E-01	3.0	1.0
104.000	19.9059	0.02628	1.4E 00	3.527E 00	5.763E-01	6.276E-01	-4.827E-01	-4.618E-01	3.0	1.0
104.200	19.7488	0.02722	1.6E 00	6.501E 00	4.979E-01	5.971E-01	-4.796E-01	-4.693E-01	3.0	1.0
104.400	19.5883	0.02848	1.6E 00	6.357E 00	4.999E-01	5.734E-01	-4.593E-01	-3.962E-01	3.0	1.0
104.600	19.4282	0.02951	1.5E 00	4.733E 00	4.995E-01	5.560E-01	-4.453E-01	-3.997E-01	3.0	1.0
104.800	19.2658	0.03075	1.6E 00	5.803E 00	4.462E-01	5.279E-01	-4.344E-01	-4.027E-01	3.0	1.0
105.000	19.0995	0.03218	1.5E 00	4.236E 00	4.474E-01	5.078E-01	-4.272E-01	-4.051E-01	3.0	1.0

105.000	19.0995	0.03218	1.5E 00	4.236E 00	4.474E-01	5.078E-01	-4.272E-01	-4.051E-01	3.0	1.0
105.200	18.9297	0.03329	1.4E 00	3.090E 00	4.487E-01	4.934E-01	-4.224E-01	-4.075E-01	3.0	1.0
105.400	18.7618	0.03473	1.7E 00	7.590E 00	4.032E-01	4.663E-01	-3.834E-01	-2.925E-01	3.0	1.0
105.600	18.6005	0.03636	1.6E 00	5.31[illegible] 00	4.115E-01	4.504E-01	-3.559E-01	-2.881E-01	3.0	1.0
105.800	18.4455	0.03736	1.5E 00	3.80[illegible] 00	4.199E-01	4.419E-01	-3.358E-01	-2.838E-01	3.0	1.0
106.000	18.2941	0.03850	1.5E 00	4.078E 00	3.797E-01	4.239E-01	-3.193E-01	-2.788E-01	3.0	1.0
106.200	18.1450	0.03975	1.4E 00	2.785E 00	3.916E-01	4.148E-01	-3.061E-01	-2.720E-01	3.0	1.0
106.400	18.0124	0.04035	1.8E 00	8.630E 00	4.046E-01	4.112E-01	-2.413E-01	-1.211E-01	3.0	1.0
106.600	17.9054	0.04043	1.6E 00	6.045E 00	4.172E-01	4.132E-01	-1.998E-01	-1.136E-01	3.0	1.0
106.800	17.8151	0.04053	1.5E 00	4.497E 00	4.002E-01	4.092E-01	-1.712E-01	-1.066E-01	3.0	1.0
107.000	17.7367	0.04065	1.4E 00	3.411E 00	4.147E-01	4.10[illegible]-01	-1.505E-01	-1.006E-01	3.0	1.0
107.200	17.6673	0.04055	1.4E 00	2.677E 00	4.119E-01	4.1[illegible]-01	-1.349E-01	-9.578E-02	3.0	1.0
107.400	17.6050	0.04031	1.3E 00	2.326E 00	4.278E-01	4.1[illegible]-01	-1.226E-01	-9.013E-02	3.0	1.0
107.600	17.5489	0.03973	1.3E 00	2.265E 00	4.436E-01	4.23[illegible]-01	-1.126E-01	-8.551E-02	3.0	1.0
107.800	17.4983	0.03893	1.3E 00	2.335E 00	4.594E-01	4.330E-01	-1.043E-01	-8.136E-02	3.0	1.0
108.000	17.4521	0.03815	1.3E 00	1.994E 00	4.635E-01	4.409E-01	-9.743E-02	-7.759E-02	3.0	1.0
108.200	17.4098	0.03737	1.3E 00	2.277E 00	4.806E-01	4.511E-01	-9.140E-02	-7.381E-02	3.0	1.0
108.400	17.3707	0.03646	1.6E 00	5.583E 00	4.921E-01	4.631E-01	-5.966E-02	1.694E-02	3.0	1.0
108.600	17.3559	0.03554	1.5E 00	4.363E 00	5.055E-01	4.747E-01	-3.812E-02	1.918E-02	3.0	1.0
108.800	17.3432	0.03469	1.4E 00	3.610E 00	5.188E-01	4.862E-01	-2.294E-02	2.060E-02	3.0	1.0
109.000	17.3361	0.03388	1.4E 00	3.163E 00	5.322E-01	4.976E-01	-1.195E-02	2.146E-02	3.0	1.0
109.200	17.3330	0.03311	1.4E 00	2.917E 00	5.455E-01	5.091E-01	-3.849E-03	2.194E-02	3.0	1.0
109.400	17.3326	0.03236	1.4E 00	2.800E 00	5.589E-01	5.208E-01	2.194E-03	2.215E-02	3.0	1.0
109.600	17.3343	0.03164	1.4E 00	2.760E 00	5.722E-01	5.326E-01	6.724E-03	2.218E-02	3.0	1.0
109.800	17.3375	0.03095	1.4E 00	2.767E 00	5.856E-01	5.445E-01	1.012E-02	2.206E-02	3.0	1.0
110.000	17.3416	0.03027	1.4E 00	2.799E 00	5.989E-01	5.565E-01	1.267E-02	2.185E-02	3.0	1.0
110.200	17.3464	0.02963	1.4E 00	2.844E 00	6.123E-01	5.686E-01	1.455E-02	2.157E-02	3.0	1.0
111.200	17.4047	0.14138	1.4E 00	2.803E 00	6.253E-01	6.102E-01	5.411E-02	6.866E-02	4.0	1.0
112.200	17.4981	0.13338	1.3E 00	1.701E 00	6.533E-01	6.394E-01	6.267E-02	6.698E-02	3.0	1.0
113.200	17.5948	0.12762	1.3E 00	1.600E 00	6.814E-01	6.666E-01	6.357E-02	6.429E-02	3.0	1.0
114.200	17.6870	0.12244	1.3E 00	1.708E 00	7.110E-01	6.947E-01	6.199E-02	6.130E-02	3.0	1.0
115.200	17.7729	0.11767	1.3E 00	1.712E 00	7.385E-01	7.217E-01	5.966E-02	5.844E-02	3.0	1.0
116.200	17.8524	0.11333	1.3E 00	1.782E 00	7.668E-01	7.489E-01	5.720E-02	5.581E-02	3.0	1.0
117.200	17.9312	0.10972	1.3E 00	1.504E 00	7.853E-01	7.700E-01	6.249E-02	6.656E-02	3.0	1.0
118.200	18.0123	0.10705	1.2E 00	1.226E 00	8.001E-01	7.869E-01	6.382E-02	6.510E-02	3.0	1.0
119.200	18.0924	0.10486	1.2E 00	1.163E 00	8.154E-01	8.026E-01	6.357E-02	6.360E-02	3.0	1.0
120.200	18.1704	0.10289	1.2E 00	1.127E 00	8.299E-01	8.174E-01	6.268E-02	6.218E-02	3.0	1.0
121.200	18.2462	0.10118	1.2E 00	9.830E-01	8.410E-01	8.299E-01	6.227E-02	6.215E-02	3.0	1.0
122.200	18.3204	0.09977	1.2E 00	8.705E-01	8.507E-01	8.407E-01	6.158E-02	6.118E-02	3.0	1.0
123.200	18.3927	0.09854	1.2E 00	8.270E-01	8.603E-01	8.507E-01	6.076E-02	6.024E-02	3.0	1.0
124.200	18.4632	0.09740	1.2E 00	8.124E-01	8.700E-01	8.605E-01	5.990E-02	5.932E-02	3.0	1.0
125.200	18.5321	0.09894	1.4E 00	2.583E 00	7.965E-01	8.241E-01	5.622E-02	5.365E-02	3.0	1.0
126.200	18.5980	0.09917	1.3E 00	2.332E 00	8.817E-01	8.566E-01	5.451E-02	5.341E-02	3.0	1.0
127.200	18.6605	0.09639	1.2E 00	1.273E 00	8.871E-01	8.725E-01	5.356E-02	5.293E-02	3.0	1.0
128.200	18.7212	0.09497	1.2E 00	8.480E-01	8.925E-01	8.825E-01	5.289E-02	5.247E-02	3.0	1.0
129.200	18.7806	0.09403	1.2E 00	6.590E-01	8.979E-01	8.900E-01	5.234E-02	5.203E-02	3.0	1.0
130.200	18.8389	0.09330	1.1E 00	5.713E-01	9.033E-01	8.964E-01	5.186E-02	5.159E-02	3.0	1.0
131.200	18.8963	0.09267	1.1E 00	5.304E-01	9.087E-01	9.022E-01	5.140E-02	5.116E-02	3.0	1.0
132.200	18.9529	0.09208	1.1E 00	5.116E-01	9.141E-01	9.078E-01	5.097E-02	5.074E-02	3.0	1.0
133.200	19.0060	0.09154	1.1E 00	6.424E-01	9.182E-01	9.128E-01	4.570E-02	4.018E-02	3.0	1.0
134.200	19.0544	0.09110	1.1E 00	4.374E-01	9.213E-01	9.167E-01	4.300E-02	4.014E-02	3.0	1.0
135.200	19.1004	0.09072	1.1E 00	3.788E-01	9.249E-01	9.205E-01	4.144E-02	3.987E-02	3.0	1.0
136.200	19.1448	0.09035	1.1E 00	3.581E-01	9.285E-01	9.242E-01	4.048E-02	3.961E-02	3.0	1.0
137.200	19.1882	0.09000	1.1E 00	3.511E-01	9.321E-01	9.278E-01	3.985E-02	3.936E-02	3.0	1.0
138.200	19.2308	0.08966	1.1E 00	3.169E-01	9.358E-01	9.311E-01	3.944E-02	3.912E-02	2.0	1.0
139.200	19.2729	0.08934	1.1E 00	3.307E-01	9.394E-01	9.345E-01	3.909E-02	3.888E-02	2.0	1.0
140.200	19.3145	0.08901	1.1E 00	3.392E-01	9.430E-01	9.380E-01	3.880E-02	3.864E-02	2.0	1.0

-0. 29.50000 1.00000 -0.

XNN1	YNN1	DTH	CK	REN	VDX	VDXNN1	VDYNN1	VDY	XRT	DIRECT
1.000	29.4990	0.08339	1.1E 00	2.427E-01	9.963E-01	9.985E-01	-1.930E-03	-4.673E-03	2.0	1.0
2.000	29.4963	0.08350	1.1E 00	1.925E-01	9.965E-01	9.97[illegible]E-01	-3.535E-03	-4.673E-03	1.0	1.0
3.000	29.4924	0.08356	1.0E 00	7.499E-02	9.968E-01	9.9[illegible]-01	-4.270E-03	-4.672E-03	1.0	1.0
4.000	29.4879	0.08358	1.0E 00	2.306E-02	9.970E-01	9.9[illegible]-01	-4.621E-03	-4.672E-03	1.0	1.0
5.000	29.4832	0.08357	1.0E 00	1.320E-02	9.973E-01	9.972E-01	-4.793E-03	-4.671E-03	1.0	1.0
6.000	29.4783	0.08356	1.0E 00	2.226E-02	9.976E-01	9.974E-01	-4.989E-03	-4.890E-03	1.0	1.0
7.000	29.4733	0.08354	1.0E 00	2.680E-02	9.978E-01	9.976E-01	-5.037E-03	-4.890E-03	1.0	1.0
8.000	29.4682	0.08352	1.0E 00	2.966E-02	9.981E-01	9.979E-01	-5.037E-03	-4.889E-03	1.0	1.0

/3/

9.000	29.4632	0.08350	1.0E 00	3.072E-02	9.984E-01	9.981E-01	-5.037E-03	-4.889E-03	1.0
10.000	29.4581	0.08348	1.0E 00	3.124E-02	9.987E-01	9.984E-01	-5.037E-03	-4.888E-03	1.0
11.000	29.4529	0.08345	1.0E 00	3.529E-02	9.990E-01	9.987E-01	-5.335E-03	-5.335E-03	1.0
12.000	29.4475	0.08343	1.0E 00	3.208E-02	9.993E-01	9.990E-01	-5.335E-03	-5.335E-03	1.0
13.000	29.4420	0.08341	1.0E 00	3.368E-02	9.996E-01	9.993E-01	-5.482E-03	-5.334E-03	1.0
14.000	29.4366	0.08338	1.0E 00	3.394E-02	9.999E-01	9.996E-01	-5.482E-03	-5.333E-03	1.0
15.000	29.4311	0.08336	1.0E 00	3.408E-02	1.000E 00	9.999E-01	-5.482E-03	-5.333E-03	1.0
16.000	29.4254	0.08333	1.0E 00	4.633E-02	1.000E 00	1.000E 00	-5.912E-03	-6.037E-03	1.0
17.000	29.4194	0.08331	1.0E 00	3.622E-02	1.001E 00	1.001E 00	-6.122E-03	-6.036E-03	1.0
18.000	29.4132	0.08328	1.0E 00	3.663E-02	1.001E 00	1.001E 00	-6.182E-03	-6.035E-03	1.0
19.000	29.4070	0.08325	1.0E 00	3.762E-02	1.001E 00	1.001E 00	-6.182E-03	-6.034E-03	1.0
20.000	29.4009	0.08322	1.0E 00	3.782E-02	1.002E 00	1.002E 00	-6.768E-03	-7.040E-03	1.0
21.000	29.3944	0.08320	1.0E 00	6.183E-02	1.002E 00	1.002E 00	-7.053E-03	-7.040E-03	1.0
22.000	29.3875	0.08317	1.0E 00	4.313E-02	1.003E 00	1.003E 00	-7.185E-03	-7.039E-03	1.0
23.000	29.3804	0.08314	1.0E 00	4.142F-02	1.003E 00	1.003E 00	-7.185E-03	-7.038E-03	1.0
24.000	29.3732	0.08310	1.0E 00	4.279E-02	1.003C 00	1.003E 00	-7.185E-03	-7.037E-03	1.0
25.000	29.3661	0.08307	1.0E 00	4.307C-02	1.004t 00	1.003E 00	-7.185E-03	-8.412E-03	1.0
26.000	29.3585	0.08304	1.0E 00	8.224E-02	1.004t 00	1.004E 00	-7.963E-03	-8.411E-03	1.0
27.000	29.3504	0.08301	1.0E 00	5.319E-02	1.005E 00	1.004E 00	-8.337E-03	-8.410E-03	1.0
28.000	29.3420	0.08297	1.0E 00	4.841E-02	1.005F 00	1.005E 00	-8.520F-03	-8.410E-03	1.0
29.000	29.3335	0.08294	1.0E 00	4.941E-02	1.005E 00	1.005E 00	-8.555E-03	-8.409E-03	1.0
30.000	29.3250	0.08290	1.0E 00	5.009E-02	1.006t 00	1.005E 00	-8.555E-03	-8.407E-03	1.0
31.000	29.3160	0.08286	1.0E 00	1.088E-01	1.006E 00	1.006E 00	-9.576E-03	-1.025E-02	1.0
32.000	29.3062	0.08282	1.0E 00	6.687E-02	1.007E 00	1.006E 00	-1.004E-02	-1.025E-02	2.0
33.000	29.2961	0.08278	1.0E 00	4.267E-02	1.007E 00	1.006E 00	-1.024E-02	-1.024E-02	2.0
34.000	29.2859	0.08274	1.0E 00	6.557E-02	1.008E 00	1.007E 00	-1.039E-02	-1.024E-02	2.0
35.000	29.2756	0.08270	1.0E 00	6.274E-02	1.009C 00	1.008E 00	-1.039E-02	-1.024E-02	2.0
36.000	29.2648	0.08266	1.0E 00	1.116E-01	1.009E 00	1.008E 00	-1.144E-02	-1.268E-02	3.0
37.000	29.2531	0.08261	1.0E 00	7.845E-02	1.010E 00	1.009E 00	-1.206F-02	-1.268E-02	3.0
38.000	29.2410	0.08257	1.0E 00	6.310E-02	1.010F 00	1.009E 00	-1.240E-02	-1.267E-02	2.0
39.000	29.2286	0.08253	1.0E 00	6.410E-02	1.011E 00	1.010E 00	-1.261E-02	-1.267E-02	2.0
40.000	29.2161	0.08247	1.0E 00	8.934E-02	1.012C 00	1.011E 00	-1.274E-02	-1.267E-02	2.0
41.000	29.2027	0.08241	1.1E 00	1.511E-01	1.012E 00	1.011E 00	-1.418E-02	-1.267E-02	3.0
42.000	29.1883	0.08236	1.0E 00	1.037E-01	1.013E 00	1.012E 00	-1.499E-02	-1.589E-02	3.0
43.000	29.1733	0.08231	1.0E 00	8.018E-02	1.014E 00	1.013E 00	-1.554E-02	-1.588E-02	3.0
44.000	29.1579	0.08225	1.0E 00	7.902F-02	1.015t 00	1.014E 00	-1.571E-02	-1.588E-02	2.0
45.000	29.1423	0.08219	1.0E 00	8.068E-02	1.015E 00	1.014E 00	-1.588E-02	-1.588E-02	2.0
46.000	29.1257	0.08213	1.1E 00	2.083E-01	1.016E 00	1.015E 00	-1.777E-02	-2.014E-02	2.0
47.000	29.1077	0.08206	1.1E 00	1.404E-01	1.017E 00	1.016E 00	-1.885E-02	-2.013E-02	3.0
48.000	29.0888	0.08199	1.0E 00	1.121E-01	1.018E 00	1.017E 00	-1.949E-02	-2.013E-02	3.0
49.000	29.0695	0.08192	1.0E 00	9.594E-02	1.019E 00	1.018E 00	-1.984E-02	-2.013E-02	3.0
50.000	29.0499	0.08185	1.0E 00	9.727E-02	1.020E 00	1.019E 00	-2.005E-02	-2.012E-02	2.0
51.000	29.0290	0.08177	1.1E 00	2.758E-01	1.021E 00	1.020E 00	-2.257E-02	-2.579E-02	3.0
52.000	29.0062	0.08169	1.1E 00	1.815E-01	1.022E 00	1.021E 00	-2.401E-02	-2.579E-02	3.0
53.000	28.9823	0.08161	1.1E 00	1.401E-01	1.023E 00	1.022E 00	-2.485E-02	-2.578E-02	3.0
54.000	28.9577	0.08152	1.1E 00	1.170F-01	1.024E 00	1.023E 00	-2.531E-02	-2.578E-02	3.0
55.000	28.9329	0.08144	1.1E 00	1.172E-01	1.025E 00	1.024E 00	-2.559E-02	-2.577E-02	2.0
56.000	28.9062	0.08135	1.1E 00	3.672E-01	1.026E 00	1.025E 00	-2.898E-02	-3.336E-02	3.0
57.000	28.8770	0.08125	1.1E 00	2.355E-01	1.026E 00	1.026E 00	-3.090E-02	-3.335E-02	3.0
58.000	28.8464	0.08115	1.1E 00	1.753E-01	1.029E 00	1.026E 00	-3.202E-02	-3.335E-02	3.0
59.000	28.8149	0.08105	1.1E 00	1.526E-01	1.031E 00	1.029E 00	-3.267E-02	-3.333E-02	3.0
60.000	28.7830	0.08095	1.1E 00	1.360F-01	1.032E 00	1.030E 00	-3.303E-02	-3.333E-02	2.0
61.000	28.7487	0.08085	1.1E 00	4.895C-01	1.033E 00	1.031E 00	-3.764E-02	-4.350E-02	3.0
62.000	28.7110	0.08073	1.1E 00	3.054E-01	1.035E 00	1.033E 00	-4.022E-02	-4.350E-02	3.0
63.000	28.6714	0.08062	1.1E 00	2.177E-01	1.036E 00	1.034E 00	-4.172E-02	-4.350E-02	3.0
64.000	28.6307	0.08051	1.1E 00	1.823E-01	1.038E 00	1.036E 00	-4.259E-02	-4.350E-02	3.0
65.000	28.5893	0.08039	1.1E 00	1.590E-01	1.040E 00	1.038E 00	-4.307E-02	-4.349E-02	3.0
66.000	28.5448	0.08028	1.2E 00	6.596E-01	1.041E 00	1.039E 00	-4.942E-02	-5.752E-02	2.0
67.000	28.4956	0.08015	1.1E 00	3.993E-01	1.043E 00	1.041C 00	-5.293E-02	-5.754E-02	3.0
68.000	28.4438	0.08002	1.1E 00	2.704E-01	1.044E 00	1.042E 00	-5.495E-02	-5.758E-02	3.0
69.000	28.3905	0.07990	1.1E 00	2.137E-01	1.046E 00	1.044E 00	-5.613E-02	-5.758E-02	3.0
70.000	28.3365	0.07977	1.1E 00	1.930E-01	1.048E 00	1.045E 00	-5.684E-02	-5.761E-02	3.0
71.000	28.2779	0.07964	1.2E 00	8.926E-01	1.050E 00	1.047E 00	-6.567E-02	-7.674E-02	3.0
72.000	28.2130	0.07951	1.1E 00	5.235E-01	1.051E 00	1.049E 00	-7.048E-02	-7.681E-02	3.0
73.000	28.1445	0.07939	1.1E 00	3.340E-01	1.053E 00	1.050E 00	-7.323E-02	-7.689E-02	3.0
74.000	28.0741	0.07927	1.1E 00	2.425E-01	1.054E 00	1.052E 00	-7.486E-02	-7.697E-02	3.0

73.000	28.1445	0.07939	1.1E 00	3.340E-01	1.053E 00	1.050E 00	-7.323E-02	-7.689E-02	3.0	1.0
74.000	28.0741	0.07927	1.1E 00	2.425E-01	1.054E 00	1.052E 00	-7.486E-02	-7.697E-02	3.0	1.0
75.000	28.0025	0.07915	1.1E 00	2.037E-01	1.056E 00	1.054E 00	-7.585E-02	-7.705E-02	3.0	1.0
76.000	27.9247	0.07902	1.2E 00	1.223E 00	1.057E 00	1.055E 00	-8.834E-02	-1.036E-01	3.0	1.0
77.000	27.8378	0.07891	1.2E 00	6.971E-01	1.059E 00	1.057E 00	-9.504E-02	-1.038E-01	3.0	1.0
78.000	27.7461	0.07881	1.1E 00	4.205E-01	1.060E 00	1.058E 00	-9.886E-02	-1.040E-01	3.0	1.0
79.000	27.6517	0.07872	1.1E 00	2.733E-01	1.061E 00	1.059E 00	-1.012E-01	-1.042E-01	3.0	1.0
80.000	27.5556	0.07863	1.1E 00	1.977E-01	1.062E 00	1.060E 00	-1.026E-01	-1.045E-01	3.0	1.0
81.000	27.4525	0.07855	1.2E 00	1.304E 00	1.063E 00	1.061E 00	-1.160E-01	-1.323E-01	3.0	1.0
82.000	27.3398	0.07849	1.2E 00	7.461E-01	1.063E 00	1.062E 00	-1.233E-01	-1.328E-01	3.0	1.0
83.000	27.2217	0.07845	1.1E 00	4.489E-01	1.063E 00	1.062E 00	-1.276E-01	-1.334E-01	3.0	1.0
84.000	27.0957	0.07845	1.2E 00	1.232E 00	1.062E 00	1.062E 00	-1.402E-01	-1.557E-01	3.0	1.0
85.000	26.9603	0.07848	1.2E 00	7.264E-01	1.061E 00	1.062E 00	-1.473E-01	-1.565E-01	3.0	1.0
86.000	26.8138	0.07855	1.3E 00	1.553E 00	1.059E 00	1.060E 00	-1.636E-01	-1.828E-01	3.0	1.0
87.000	26.6551	0.07867	1.2E 00	9.300E-01	1.056E 00	1.058E 00	-1.727E-01	-1.842E-01	3.0	1.0
88.000	26.4891	0.07883	1.1E 00	6.250E-01	1.053E 00	1.056E 00	-1.783E-01	-1.857E-01	3.0	1.0
89.000	26.3115	0.07906	1.3E 00	1.716E 00	1.047E 00	1.052E 00	-1.963E-01	-2.170E-01	3.0	1.0
90.000	26.1196	0.07938	1.2E 00	1.097E 00	1.042E 00	1.048E 00	-2.066E-01	-2.192E-01	3.0	1.0
91.000	25.9108	0.07977	1.3E 00	2.138E 00	1.035E 00	1.042E 00	-2.296E-01	-2.548E-01	3.0	1.0
91.200	25.8664	0.01601	1.3E 00	1.646E 00	1.030E 00	1.040E 00	-2.329E-01	-2.583E-01	2.0	1.0
91.400	25.8213	0.01603	1.3E 00	1.532E 00	1.028E 00	1.039E 00	-2.359E-01	-2.591E-01	2.0	1.0
91.600	25.7756	0.01605	1.2E 00	1.437E 00	1.026E 00	1.038E 00	-2.386E-01	-2.599E-01	2.0	1.0
91.800	25.7293	0.01608	1.2E 00	1.356E 00	1.025E 00	1.036E 00	-2.411E-01	-2.607E-01	2.0	1.0
92.000	25.6825	0.01610	1.2E 00	1.288E 00	1.023E 00	1.035E 00	-2.434E-01	-2.614E-01	2.0	1.0
92.200	25.6352	0.01612	1.2E 00	1.232E 00	1.021E 00	1.033E 00	-2.455E-01	-2.622E-01	2.0	1.0
92.400	25.5875	0.01614	1.2E 00	1.185E 00	1.019E 00	1.032E 00	-2.475E-01	-2.631E-01	2.0	1.0
92.600	25.5393	0.01617	1.2E 00	1.145E 00	1.018E 00	1.030E 00	-2.493E-01	-2.639E-01	2.0	1.0
92.800	25.4904	0.01619	1.3E 00	2.235E 00	1.015E 00	1.028E 00	-2.541E-01	-2.890E-01	2.0	1.0
93.000	25.4405	0.01622	1.3E 00	2.062E 00	1.013E 00	1.027E 00	-2.584E-01	-2.900E-01	2.0	1.0
93.200	25.3898	0.01625	1.3E 00	1.916E 00	1.011E 00	1.025E 00	-2.622E-01	-2.910E-01	2.0	1.0
93.400	25.3382	0.01628	1.3E 00	1.795E 00	1.008E 00	1.023E 00	-2.657E-01	-2.920E-01	2.0	1.0
93.600	25.2859	0.01631	1.3E 00	1.694E 00	1.006E 00	1.021E 00	-2.689E-01	-2.931E-01	2.0	1.0
93.800	25.2327	0.01634	1.3E 00	2.074E 00	1.004E 00	1.019E 00	-2.732E-01	-3.042E-01	2.0	1.0
94.000	25.1786	0.01638	1.3E 00	1.942E 00	1.001E 00	1.017E 00	-2.770E-01	-3.054E-01	2.0	1.0
94.200	25.1237	0.01641	1.3E 00	1.832E 00	9.986E-01	1.015E 00	-2.805E-01	-3.066E-01	2.0	1.0
94.400	25.0680	0.01645	1.3E 00	1.948E 00	9.959E-01	1.012E 00	-2.843E-01	-3.123E-01	2.0	1.0
94.600	25.0114	0.01648	1.3E 00	1.991E 00	9.932E-01	1.010E 00	-2.883E-01	-3.168E-01	2.0	1.0
94.800	24.9538	0.01652	1.3E 00	2.040E 00	9.904E-01	1.008E 00	-2.923E-01	-3.215E-01	2.0	1.0
95.000	24.8955	0.01652	1.3E 00	2.045E 00	1.026E 00	1.010E 00	-2.964E-01	-3.265E-01	2.0	1.0
95.200	24.8364	0.01649	1.3E 00	1.810E 00	1.022E 00	1.011E 00	-3.003E-01	-3.286E-01	2.0	1.0
95.400	24.7766	0.01648	1.3E 00	1.876E 00	1.017E 00	1.012E 00	-3.045E-01	-3.353E-01	2.0	1.0
95.600	24.7161	0.01647	1.3E 00	1.753E 00	1.012E 00	1.012E 00	-3.084E-01	-3.376E-01	2.0	1.0
95.800	24.6547	0.01647	1.3E 00	1.984E 00	1.007E 00	1.011E 00	-3.124E-01	-3.436E-01	2.0	1.0
96.000	24.5924	0.01649	1.3E 00	1.925E 00	1.002E 00	1.010E 00	-3.171E-01	-3.481E-01	2.0	1.0
96.200	24.5291	0.01651	1.3E 00	1.903E 00	9.973E-01	1.009E 00	-3.211E-01	-3.507E-01	2.0	1.0
96.400	24.4649	0.01654	1.3E 00	2.310E 00	9.914E-01	1.007E 00	-3.261E-01	-3.[illegible]E-01	2.0	1.0
96.600	24.3996	0.01658	1.3E 00	2.289E 00	9.858E-01	1.004E 00	-3.304E-01	-3.542E-01	2.0	1.0
96.800	24.3331	0.01662	1.3E 00	2.288E 00	9.802E-01	1.001E 00	-3.353E-01	-3.671E-01	2.0	1.0
97.000	24.2656	0.01668	1.3E 00	2.301E 00	9.746E-01	9.979E-01	-3.396E-01	-3.700E-01	2.0	1.0
97.200	24.1970	0.01673	1.3E 00	2.322E 00	9.690E-01	9.943E-01	-3.438E-01	-3.729E-01	2.0	1.0
97.400	24.1272	0.01680	1.4E 00	2.714E 00	9.624E-01	9.902E-01	-3.490E-01	-3.844E-01	2.0	1.0
97.600	24.0561	0.01687	1.4E 00	2.713E 00	9.561E-01	9.858E-01	-3.540E-01	-3.877E-01	2.0	1.0
97.800	23.9836	0.01695	1.4E 00	2.720E 00	9.498E-01	9.812E-01	-3.588E-01	-3.911E-01	2.0	1.0
98.000	23.9098	0.01703	1.4E 00	2.731E 00	9.435E-01	9.763E-01	-3.634E-01	-3.946E-01	2.0	1.0
98.200	23.8347	0.01712	1.4E 00	2.745E 00	9.372E-01	9.712E-01	-3.680E-01	-3.981E-01	2.0	1.0
98.400	23.7582	0.01721	1.4E 00	2.935E 00	9.301E-01	9.658E-01	-3.730E-01	-4.060E-01	2.0	1.0
98.600	23.6802	0.01731	1.4E 00	2.947E 00	9.233E-01	9.602E-01	-3.779E-01	-4.098E-01	2.0	1.0
98.800	23.6008	0.01741	1.4E 00	2.959E 00	9.165E-01	9.543E-01	-3.827E-01	-4.138E-01	2.0	1.0
99.000	23.5198	0.01752	1.4E 00	2.972E 00	9.096E-01	9.483E-01	-3.875E-01	-4.178E-01	2.0	1.0
99.200	23.4373	0.01763	1.4E 00	2.983E 00	9.028E-01	9.422E-01	-3.922E-01	-4.219E-01	2.0	1.0
99.400	23.3533	0.01775	1.4E 00	2.952E 00	8.958E-01	9.358E-01	-3.966E-01	-4.244E-01	2.0	1.0
99.600	23.2678	0.01787	1.4E 00	2.976E 00	8.888E-01	9.294E-01	-4.010E-01	-4.287E-01	2.0	1.0
99.800	23.1808	0.01800	1.4E 00	2.906E 00	8.818E-01	9.228E-01	-4.050E-01	-4.298E-01	2.0	1.0
100.000	23.0922	0.01813	1.4E 00	2.938E 00	8.747E-01	9.162E-01	-4.091E-01	-4.343E-01	2.0	1.0
100.200	23.0021	0.01826	1.4E 00	2.964E 00	8.677E-01	9.094E-01	-4.133E-01	-4.388E-01	2.0	1.0
100.400	22.9105	0.01840	1.4E 00	2.833E 00	8.609E-01	9.026E-01	-4.167E-01	-4.376E-01	2.0	1.0
100.600	22.8171	0.01859	1.5E 00	4.490E 00	8.204E-01	8.901E-01	-4.210E-01	-4.447E-01	2.0	1.0
100.800	22.7214	0.01886	1.5E 00	4.311E 00	8.097E-01	8.777E-01	-4.245E-01	-4.434E-01	2.0	1.0

132

D3-6961-1
Page 284

101.000	22.6236	0.01912	1.5E 00	4.285E 00	7.989E-01	8.655E-01	-4.286E-01	-4.507E-01	2.0	1.0
101.200	22.5233	0.01939	1.5E 00	4.266E 00	7.842E-01	8.535E-01	-4.333E-01	-4.582E-01	2.0	1.0
101.400	22.4206	0.01967	1.5E 00	4.008E 00	7.782E-01	8.415E-01	-4.365E-01	-4.535E-01	2.0	1.0
101.600	22.3157	0.01994	1.5E 00	3.988E 00	7.680E-01	8.298E-01	-4.404E-01	-4.611E-01	2.0	1.0
101.800	22.2085	0.02022	1.5E 00	3.778E 00	7.583E-01	8.184E-01	-4.432E-01	-4.573E-01	2.0	1.0
102.000	22.0991	0.02051	1.4E 00	3.668E 00	7.489E-01	8.072E-01	-4.458E-01	-4.593E-01	2.0	1.0
102.200	21.9876	0.02079	1.4E 00	3.522E 00	7.399E-01	7.963E-01	-4.480E-01	-4.589E-01	2.0	1.0
102.400	21.8742	0.02107	1.4E 00	3.373E 00	7.314E-01	7.858E-01	-4.496E-01	-4.577E-01	2.0	1.0
102.600	21.7588	0.02135	1.4E 00	3.241E 00	7.232E-01	7.7[illegible]E-01	-4.510E-01	-4.580E-01	2.0	1.0
102.800	21.6419	0.02163	1.4E 00	3.085E 00	7.157E-01	7.[illegible]E-01	-4.500E-01	-4.447E-01	2.0	1.0
103.000	21.5236	0.02190	1.4E 00	2.945E 00	7.083E-01	7.5[illegible]E-01	-4.502E-01	-4.513E-01	2.0	1.0
103.200	21.4039	0.02217	1.4E 00	2.809E 00	7.016E-01	7.473E-01	-4.497E-01	-4.465E-01	2.0	1.0
103.400	21.2833	0.02243	1.4E 00	2.784E 00	6.960E-01	7.387E-01	-4.467E-01	-4.316E-01	2.0	1.0
103.600	21.1619	0.02269	1.4E 00	2.544E 00	6.899E-01	7.306E-01	-4.452E-01	-4.375E-01	2.0	1.0
103.800	21.0402	0.02293	1.4E 00	2.949E 00	6.852E-01	7.228E-01	-4.391E-01	-4.095E-01	2.0	1.0
104.000	20.9186	0.02317	1.4E 00	2.509E 00	6.804E-01	7.157E-01	-4.350E-01	-4.145E-01	2.0	1.0
104.200	20.7948	0.02380	1.7E 00	7.341E 00	5.709E-01	6.646E-01	-4.319E-01	-4.201E-01	3.0	1.0
104.400	20.6684	0.02479	1.6E 00	6.564E 00	5.707E-01	6.599E-01	-4.182E-01	-3.685E-01	3.0	1.0
104.600	20.5413	0.02563	1.6E 00	5.157E 00	5.688E-01	6.406E-01	-4.084E-01	-3.720E-01	3.0	1.0
104.800	20.4133	0.02633	1.5E 00	4.083E 00	5.669E-01	6.253E-01	-4.016E-01	-3.756E-01	3.0	1.0
105.000	20.2843	0.02692	1.4E 00	3.263E 00	5.650E-01	6.130E-01	-3.971E-01	-3.791E-01	3.0	1.0
105.200	20.1542	0.02741	1.4E 00	2.638E 00	5.631E-01	6.030E-01	-3.942E-01	-3.827E-01	3.0	1.0
105.400	20.0260	0.02783	1.5E 00	5.018E 00	5.663E-01	5.947E-01	-3.731E-01	-3.010E-01	3.0	1.0
105.600	19.9025	0.02817	1.5E 00	3.830E 00	5.678E-01	5.888E-01	-3.576E-01	-3.020E-01	3.0	1.0
105.800	19.7814	0.02874	1.5E 00	4.774E 00	5.112E-01	5.708E-01	-3.448E-01	-3.019E-01	3.0	1.0
106.000	19.6610	0.02952	1.4E 00	3.550E 00	5.148E-01	5.583E-01	-3.351E-01	-3.015E-01	3.0	1.0
106.200	19.5413	0.03009	1.4E 00	2.634E 00	5.185E-01	5.496E-01	-3.278E-01	-3.012E-01	3.0	1.0
106.400	19.4285	0.03049	1.7E 00	7.308E 00	5.266E-01	5.435E-01	-2.885E-01	-1.803E-01	3.0	1.0
106.600	19.3265	0.03101	1.6E 00	5.944E 00	4.971E-01	5.315E-01	-2.597E-01	-1.770E-01	3.0	1.0
106.800	19.2322	0.03155	1.5E 00	4.454E 00	5.054E-01	5.250E-01	-2.384E-01	-1.736E-01	3.0	1.0
107.000	19.1443	0.03182	1.4E 00	3.427E 00	5.138E-01	5.224E-01	-2.223E-01	-1.705E-01	3.0	1.0
107.200	19.0615	0.03191	1.4E 00	2.734E 00	5.221E-01	5.223E-01	-2.097E-01	-1.676E-01	3.0	1.0
107.400	18.9833	0.03185	1.3E 00	2.287E 00	5.305E-01	5.241E-01	-1.997E-01	-1.649E-01	3.0	1.0
107.600	18.9084	0.03189	1.3E 00	2.020E 00	5.100E-01	5.210E-01	-1.915E-01	-1.621E-01	3.0	1.0
107.800	18.8363	0.03199	1.3E 00	1.645E 00	5.203E-01	5.209E-01	-1.845E-01	-1.589E-01	3.0	1.0
108.000	18.7667	0.03193	1.3E 00	1.535E 00	5.307E-01	5.250E-01	-1.784E-01	-1.557E-01	3.0	1.0
108.200	18.6998	0.03175	1.3E 00	1.587E 00	5.410E-01	5.268E-01	-1.730E-01	-1.527E-01	3.0	1.0
108.400	18.6403	0.03146	1.6E 00	5.940E 00	5.499E-01	5.328E-01	-1.419E-01	-5.421E-02	3.0	1.0
108.600	18.5915	0.03109	1.5E 00	4.660E 00	5.592E-01	5.394E-01	-1.197E-01	-5.161E-02	3.0	1.0
108.800	18.5505	0.03071	1.5E 00	3.791E 00	5.685E-01	5.462E-01	-1.032E-01	-4.948E-02	3.0	1.0
109.000	18.5152	0.03031	1.4E 00	3.205E 00	5.779E-01	5.534E-01	-9.073E-02	-4.769E-02	3.0	1.0
109.200	18.4844	0.02992	1.4E 00	2.817E 00	5.872E-01	5.608E-01	-8.103E-02	-4.615E-02	3.0	1.0
109.400	18.4569	0.02961	1.3E 00	2.123E 00	5.817E-01	5.651E-01	-7.351E-02	-4.467E-02	3.0	1.0
109.600	18.4321	0.02935	1.3E 00	2.065E 00	5.924E-01	5.707E-01	-6.734E-02	-4.325E-02	3.0	1.0
109.800	18.4095	0.02903	1.3E 00	2.088E 00	6.031E-01	5.773E-01	-6.221E-02	-4.196E-02	3.0	1.0
110.000	18.3889	0.02868	1.3E 00	2.149E 00	6.138E-01	5.847E-01	-5.792E-02	-4.080E-02	3.0	1.0
110.200	18.3698	0.02831	1.3E 00	2.226E 00	6.246E-01	5.927E-01	-5.430E-02	-3.972E-02	3.0	1.0
111.200	18.3370	0.13676	1.4E 00	3.664E 00	6.375E-01	6.259E-01	1.436E-02	3.848E-02	4.0	1.0
112.200	18.3724	0.13052	1.3E 00	1.719E 00	6.636E-01	6.510E-01	3.088E-02	3.942E-02	3.0	1.0
113.200	18.4225	0.12562	1.3E 00	1.513E 00	6.898E-01	6.757E-01	3.553E-02	3.841E-02	3.0	1.0
114.200	18.4747	0.12108	1.3E 00	1.558E 00	7.159E-01	7.008E-01	3.629E-02	3.698E-02	3.0	1.0
115.200	18.5251	0.11682	1.3E 00	1.615E 00	7.421E-01	7.260E-01	3.567E-02	3.550E-02	3.0	1.0
116.200	18.5726	0.11277	1.3E 00	1.761E 00	7.706E-01	7.528E-01	3.460E-02	3.412E-02	3.0	1.0
117.200	18.6251	0.10922	1.3E 00	1.602E 00	7.880E-01	7.733E-01	4.557E-02	5.370E-02	3.0	1.0
118.200	18.6860	0.10666	1.2E 00	1.211E 00	8.021E-01	7.894E-01	4.948E-02	5.281E-02	3.0	1.0
119.200	18.7488	0.10459	1.2E 00	1.107E 00	8.163E-01	8.041E-01	5.061E-02	5.178E-02	3.0	1.0
120.200	18.8111	0.10273	1.2E 00	1.086E 00	8.304E-01	8.1[illegible]E-01	5.055E-02	5.073E-02	3.0	1.0
121.200	18.8735	0.10109	1.2E 00	9.678E-01	8.413E-01	8.[illegible]E-01	5.229E-02	5.404E-02	3.0	1.0
122.200	18.9363	0.09972	1.2E 00	8.515E-01	8.508E-01	8.[illegible]E-01	5.269E-02	5.332E-02	3.0	1.0
123.200	18.9985	0.09852	1.2E 00	8.093E-01	8.602E-01	8.5[illegible]E-01	5.249E-02	5.254E-02	3.0	1.0
124.200	19.0595	0.09740	1.2E 00	7.960E-01	8.697E-01	8.604E-01	5.200E-02	5.177E-02	3.0	1.0
125.200	19.1189	0.09642	1.2E 00	6.756E-01	8.761E-01	8.682E-01	5.063E-02	4.951E-02	3.0	1.0
126.200	19.1765	0.09563	1.1E 00	5.690E-01	8.814E-01	8.747E-01	4.973E-02	4.905E-02	3.0	1.0
127.200	19.2328	0.09496	1.1E 00	5.203E-01	8.868E-01	8.805E-01	4.906E-02	4.860E-02	3.0	1.0
128.200	19.2880	0.09434	1.1E 00	4.984E-01	8.921E-01	8.861E-01	4.850E-02	4.816E-02	3.0	1.0
129.200	19.3423	0.09376	1.1E 00	4.891E-01	8.975E-01	8.915E-01	4.800E-02	4.772E-02	3.0	1.0

128.200	19.2880	0.09434	1.1E 00	4.984E-01	8.921E-01	8.861E-01	4.850E-02	4.816E-02	3.0	1.0
129.200	19.3423	0.09376	1.1E 00	4.891E-01	8.975E-01	8.915E-01	4.800E-02	4.772E-02	3.0	1.0
130.200	19.3957	0.09319	1.1E 00	4.859E-01	9.028E-01	8.969E-01	4.754E-02	4.730E-02	3.0	1.0
131.200	19.4483	0.09264	1.1E 00	4.857E-01	9.082E-01	9.022E-01	4.711E-02	4.688E-02	3.0	1.0
132.200	19.5001	0.09209	1.1E 00	4.869E-01	9.135E-01	9.075E-01	4.668E-02	4.647E-02	3.0	1.0
133.200	19.5490	0.09160	1.1E 00	5.703E-01	9.170E-01	9.120E-01	4.214E-02	3.736E-02	3.0	1.0
134.200	19.5937	0.09118	1.1E 00	4.265E-01	9.205E-01	9.160E-01	3.968E-02	3.710E-02	3.0	1.0
135.200	19.6362	0.09080	1.1E 00	3.699E-01	9.240E-01	9.197E-01	3.826E-02	3.686E-02	3.0	1.0
136.200	19.6772	0.09044	1.1E 00	3.487E-01	9.275E-01	9.233E-01	3.739E-02	3.663E-02	3.0	1.0
137.200	19.7173	0.09009	1.1E 00	3.411E-01	9.310E-01	9.268E-01	3.682E-02	3.641E-02	3.0	1.0
138.200	19.7568	0.08976	1.1E 00	3.074E-01	9.345E-01	9.300E-01	3.646E-02	3.620E-02	2.0	1.0
139.200	19.7958	0.08945	1.1E 00	3.203E-01	9.380E-01	9.333E-01	3.615E-02	3.599E-02	2.0	1.0
140.200	19.8343	0.08913	1.1E 00	3.283E-01	9.415E-01	9.367E-01	3.589E-02	3.578E-02	2.0	1.0

134

93-6961 -1
Page286


6032 LINES

3.2.1 Water Droplet Trajectory Computer Program Trajectory Machine Plots

Cerber Plots of the water droplet trajectories toward the supersonic engine inlet centerbody and cowl are shown on the following pages. These plots illustrate individual droplet trajectories and the method of determining the tangent trajectories.

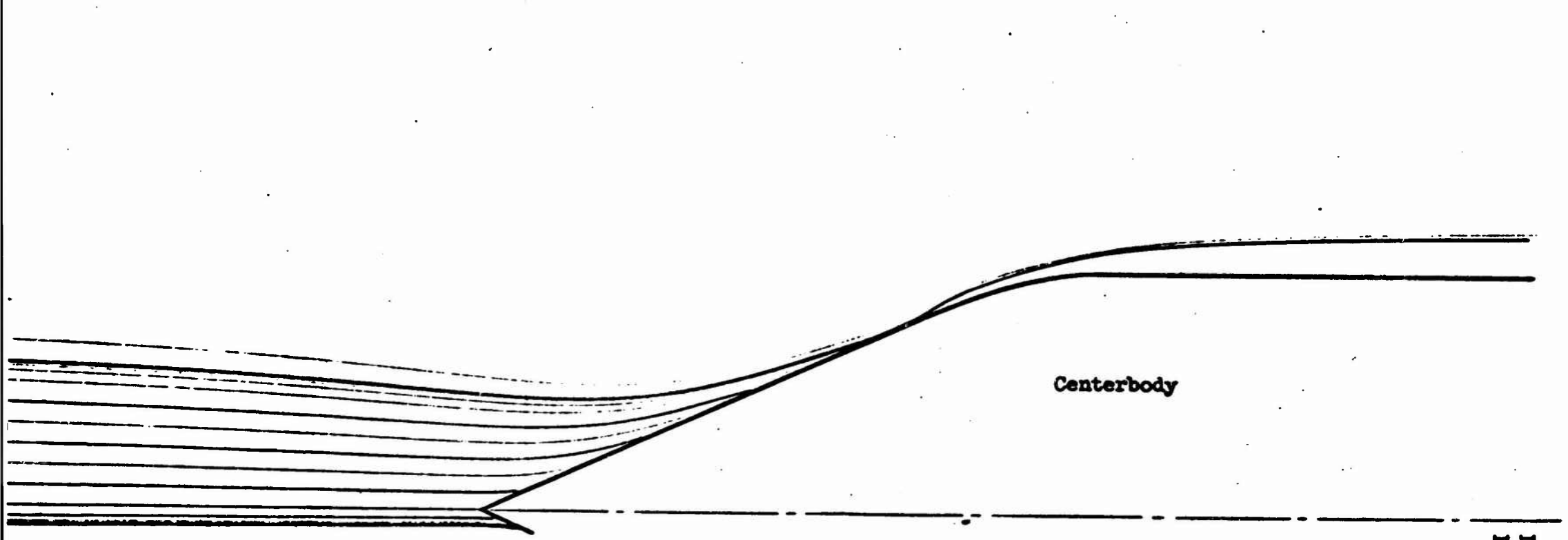
Water Droplet Trajectories

Supersonic Engine Inlet Centerbody

Sea Level, Standard Day

80 Knots

20 Micron Diameter Droplets



Water Droplet Trajectories

Supersonic Engine Inlet Cowl
Sea Level, Standard Day
80 Knots
20 Micron Diameter Droplets